



# Baslac Safety Data Sheets

## 35 LINE

NEW ZEALAND

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# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 11.04.2023  
Product: **35-M00 3,5L Basecoat Converter**

Version: 6.0

(53233029/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M00 3,5L Basecoat Converter**

Use: Clearcoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.3  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P201	Obtain special instructions before use.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

acrylic resin, cellulose ester, organic solvent, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 50\%$ - $< 75\%$ CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
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4-methylpentan-2-one

Content (W/W): $\geq 20\%$ - $< 25\%$ CAS Number: 108-10-1	Asp. Tox.: Cat. 2 Flam. Liq.: Cat. 2 Acute Tox.: Cat. 4 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) Eye Dam./Irrit.: Cat. 2A Carc.: Cat. 2 STOT SE: Cat. 3 (drowsiness and dizziness) STOT SE: Cat. 3 (irr. to respiratory syst.)
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xylene

Content (W/W): $\geq 5\%$ - $< 7\%$ CAS Number: 1330-20-7	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2B STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE (Central nervous system, Liver, Kidney): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
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Propanoic acid, 3-ethoxy-, ethyl ester

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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 763-69-9

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 Aquatic Acute: Cat. 3  
 Acute Tox.: Cat. 5 (dermal)

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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#### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

#### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: colourless  
Odour: of hydrocarbons



pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	23 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	2.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	2.00 hPa (20 °C)	
	No applicable information available.	
Density:	0.882 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	36.0 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 30 s	(DIN EN ISO 2431; 4 mm)

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## 10. Stability and Reactivity

**Conditions to avoid:**

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

##### Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: Ethyl 3-ethoxypropionate

Elimination information:

100 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO<sub>2</sub> formation relative to the theoretical value (18 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

**Domestic transport:**

UN number or ID number: UN 1866  
UN proper shipping name: RESIN SOLUTION  
Transport hazard class(es): 3  
Packing group: III

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Date of print: 12.04.2023

Environmental hazards: no  
Special precautions for user: None known

### **Further information**

Hazchem Code:3Y  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1866  
UN proper shipping name: RESIN SOLUTION  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1866  
UN proper shipping name: RESIN SOLUTION  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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Tracking requirements do not apply to this substance.  
A certified handler is not required for the handling of this substance.

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 18.12.2020  
Product: **35-M01 3,5L Basecoat Converter**

Version: 1.0

(50669237/SDS\_GEN\_NZ/EN)

Date of print 27.06.2022

## 1. Substance/preparation and manufacturer/supplier identification

### 35-M01 3,5L Basecoat Converter

Use: Basecoat product

Recommended use: Sprayable

Manufacturer/supplier:

BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

## 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 3

Serious eye damage/eye irritation: Cat. 2A

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Hazardous to the aquatic environment - acute: Cat. 3

Flammable liquids: Cat. 3

Acute toxicity: Cat. 5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:

Warning

Hazard Statement:

H319	Causes serious eye irritation.
H316	Causes mild skin irritation.
H333	May be harmful if inhaled.
H402	Harmful to aquatic life.
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.



## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

## Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

Repeated exposure may cause skin dryness or cracking.

### 3. Composition/information on ingredients

#### Chemical nature

acrylic resin, cellulose ester, organic solvent, saturated polyester resin

#### Hazardous ingredients

##### propan-2-ol

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 67-63-0

Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (drowsiness and dizziness)

##### ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

##### 4-methylpentan-2-one

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 108-10-1

Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Acute Tox.: Cat. 5 (oral)  
 Asp. Tox.: Cat. 2

##### n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

Propanoic acid, 3-ethoxy-, ethyl ester

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Version: 1.0

(50669237/SDS\_GEN\_NZ/EN)

Date of print 27.06.2022

Content (W/W): $\geq 3\%$ - $< 5\%$	Flam. Liq.: Cat. 3
CAS Number: 763-69-9	Acute Tox.: Cat. 5 (oral)
	Aquatic Acute: Cat. 3
	Acute Tox.: Cat. 5 (dermal)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

##### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

##### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

##### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

##### Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Avoid breathing vapours. Ensure adequate ventilation. Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Keep away from sources of ignition.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-

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Date of print 27.06.2022

rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

#### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

propan-2-ol, 67-63-0;

STEL value 400 ppm (ACGIHTLV)  
TWA value 200 ppm (ACGIHTLV)  
STEL value 1,230 mg/m<sup>3</sup> ; 500 ppm (OEL (NZ))  
TWA value 983 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 434 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 543 mg/m<sup>3</sup> ; 125 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)  
STEL value 150 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Respiratory protection not required. When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN 374 is suitable: e.g. nitrile gloves - material thickness: 1,25 mm

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Body protection not required., Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: colourless  
Odour: specific

pH value: not applicable

Melting point: not determined

BASF Safety data sheet  
 Date / Revised: 18.12.2020  
 Product: **35-M01 3,5L Basecoat Converter**

Version: 1.0

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Date of print 27.06.2022

onset of boiling:	82.00 °C	
Flash point:	23 °C	
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	43.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.880 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	80.0 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 4 mm)

## 10. Stability and Reactivity

Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Virtually nontoxic by inhalation.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Information on: propan-2-ol  
Experimental/calculated data:  
LD50 rat (oral): 4,396 mg/kg  
Literature data.

Information on: ethylbenzene  
Experimental/calculated data:  
LD50 rat (oral): 3,500 mg/kg  
Literature data.

Information on: Ethyl 3-ethoxypropionate  
Experimental/calculated data:  
LD50 rat (oral): 4,309 mg/kg (OECD Guideline 401)

Information on: xylene  
Experimental/calculated data:  
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)  
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Information on: ethylbenzene  
Experimental/calculated data:  
LD50 rabbit (dermal): 15,354 mg/kg  
Literature data.  
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## **Irritation**

Assessment of irritating effects:  
The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

## **Respiratory/Skin sensitization**

Assessment of sensitization:  
Based on available Data, the classification criteria are not met.

## **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available Data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Based on available Data, the classification criteria are not met.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available Data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available Data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available Data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:



Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: Ethyl 3-ethoxypropionate

Elimination information:

100 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO<sub>2</sub> formation relative to the theoretical value (18 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

### **Domestic transport:**

Packing group: III  
ID number: UN 1866  
Transport hazard class(es): 3  
Proper shipping name: RESIN SOLUTION

### **Further information**

Hazchem Code:3Y

IERG Number:14

**Sea transport**

## IMDG

Packing group: III  
ID number: UN 1866  
Transport hazard class(es): 3  
Marine pollutant: NO  
Proper shipping name: RESIN SOLUTION

**Air transport**

## IATA/ICAO

Packing group: III  
ID number: UN 1866  
Transport hazard class(es): 3  
Proper shipping name: RESIN SOLUTION

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

Page: 1/13

BASF Safety data sheet  
Date / Revised: 16.04.2023  
Product: **35-M05 3,5L Basecoat**

Version: 5.0

(53232870/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M05 3,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 50\%$ - $< 75\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

ethylbenzene

BASF Safety data sheet  
Date / Revised: 16.04.2023  
Product: **35-M05 3,5L Basecoat**

Version: 5.0

(53232870/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;



STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	
	No applicable information available.	
	No applicable information available.	
Density:	0.950 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C)	
	not determined	

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Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

## Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

## Mobility

Assessment transport between environmental compartments:

No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

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If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M211 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:



## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	silver colours	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.917 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

**Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests.



### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:  
In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene  
Elimination information:

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70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

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Version: 5.0

(53404697/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.01.2024  
Product: **35-M212 3,5L Basecoat**

Version: 7.0

(53224125/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M212 3,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Carcinogenicity: Cat.2  
Flammable liquids: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, amino resins, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$     Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4    STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$     Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1    Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$     Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7    Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

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Date of print: 03.01.2024

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

n-butanol

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 71-36-3

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 Acute Tox.: Cat. 5 (dermal)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

| Solventnaphtha (petroleum), light aromatic

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 64742-95-6

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Chronic: Cat. 2

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

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**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.  
Treatment: Symptomatic treatment (decontamination, vital functions).  
Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.



Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

n-butanol, 71-36-3;

TWA value 20 ppm (ACGIHTLV)  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.  
CLV 150 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

| Solventnaphtha (petroleum), light aromatic, 64742-95-6;

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

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Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: silver colours  
 Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: not determined

Flash point: 21 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

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Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	0.925 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	Heavier than air.
Miscibility with water:	immiscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)
	(40 °C) No data available.
Flow time:	> 60 s (23 °C)
	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

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80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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user:

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



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Version: 7.0

(53224231/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M213 3,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Carcinogenicity: Cat.2  
Flammable liquids: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, amino resins, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

n-butanol

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Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
 CAS Number: 71-36-3  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 Acute Tox.: Cat. 5 (dermal)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

## ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4  
 Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

## isobutyl alcohol

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 78-83-1  
 Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 Acute Tox.: Cat. 5 (dermal)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

## Solventnaphtha (petroleum), light aromatic

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 64742-95-6  
 Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Chronic: Cat. 2

## cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 110-82-7  
 Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected

person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

n-butanol, 71-36-3;

TWA value 20 ppm (ACGIHTLV)  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.  
CLV 150 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

isobutyl alcohol, 78-83-1;

TWA value 50 ppm (ACGIHTLV)  
TWA value 152 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

| Solventnaphtha (petroleum), light aromatic, 64742-95-6;

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: silver colours  
Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic



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Melting point:		
onset of boiling:	not determined 120 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	69.00 hPa (50 °C)	(calculated)
Density:	0.927 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	509.9 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	75 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Skin contact causes irritation. May cause severe damage to the eyes.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:  
Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

Information on: xylene  
Assessment of teratogenicity:  
In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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## Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for           None known

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user:

**Further information**

Hazchem Code:3YE  
IERG Number:14

**Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## 15. Regulatory Information

**Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

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For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M214 3,5L Basecoat**

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M214 3,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Carcinogenicity: Cat.2  
Flammable liquids: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):



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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 50\%$  -  $< 75\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 5\%$  -  $< 7\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

Hydrocarbons, C9-C11, n-alkanes, isoalkanes,  $<2\%$  aromatics

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 64742-48-9

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)

| Solventnaphtha (petroleum), light aromatic

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 64742-95-6

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Chronic: Cat. 2

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)

TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))

STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

| Solventnaphtha (petroleum), light aromatic, 64742-95-6;

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

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**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	silver colours
Odour:	ketone-like
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	not determined
Flash point:	21 °C (ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined

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Density:	0.938 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation

and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**



Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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## Bioaccumulation potential

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II

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Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M215 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Carcinogenicity: Cat.2  
Specific target organ toxicity — repeated exposure: Cat.2  
Flammable liquids: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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## ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

## Stoddard solvent

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 8052-41-3

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT RE: Cat. 1  
Eye Dam./Irrit.: Cat. 2A

## Solventnaphtha (petroleum), light aromatic

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 64742-95-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Chronic: Cat. 2

## cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

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**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.  
Treatment: Symptomatic treatment (decontamination, vital functions).  
Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.



Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

Stoddard solvent, 8052-41-3;

TWA value 100 ppm (ACGIHTLV)  
TWA value 525 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

| Solventnaphtha (petroleum), light aromatic, 64742-95-6;

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

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The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: silver colours  
 Odour: No data available.

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: 114 °C (calculated)

Flash point: 21 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

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Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.949 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	418.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 61 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

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Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



# Safety data sheet

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Product: **35-M216 1L Basecoat**

Version: 4.0

(53224549/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M216 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 50\%$  -  $< 75\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 5\%$  -  $< 7\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

solvent naphtha (petroleum), light aromatic,  $<0.1\%$  benzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 64742-95-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Chronic: Cat. 2  
Aquatic Acute: Cat. 2

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

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**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

solvent naphtha (petroleum), light aromatic, <0.1% benzene, 64742-95-6;

TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,7 mm

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Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	silver colours	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	124 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	



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Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	66.00 hPa (50 °C)	(calculated)
	13.00 hPa (20 °C)	
	66.00 hPa (50 °C)	
Density:	0.936 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	509.9 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	75 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

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80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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user:

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M217 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 15\%$ - $< 20\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 5\%$ - $< 7\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

ethylbenzene



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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	silver colours	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	6.70 hPa (20 °C)	
	No applicable information available.	
Density:	0.949 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	418.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	

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Flow time: > 61 s (DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

**Domestic transport:**



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Date of print: 18.04.2023

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

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Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M218 1L Basecoat**

Version: 5.0

(50445765/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M218 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
| Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
Specific target organ toxicity — repeated exposure: Cat.2  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
P242	Use non-sparking tools.
P271	Use only outdoors or in a well-ventilated area.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, amino resins, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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**n-butanol**

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
CAS Number: 71-36-3

Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 5 (oral)  
Acute Tox.: Cat. 5 (dermal)  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 1  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)

**ethylbenzene**

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

**Naphtha (petroleum), hydrodesulfurized heavy, Flpoint  $< 55^{\circ}\text{C}$** 

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 64742-82-1

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT RE: Cat. 1  
Aquatic Chronic: Cat. 2

**cyclohexane**

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

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**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.  
Treatment: Symptomatic treatment (decontamination, vital functions).  
Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

n-butanol, 71-36-3;



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TWA value 20 ppm (ACGIHTLV)  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.  
CLV 150 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

Naphtha (petroleum), hydrodesulfurized heavy, Flpoint &lt; 55°C, 64742-82-1;

TWA value 100 ppm (ACGIHTLV)  
TWA value 525 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

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The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: silver colours  
 Odour: of hydrocarbons

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: 0 °C (calculated)

Flash point: 20 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

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Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	21.50 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.924 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C) 755.000 mm <sup>2</sup> /s (40 °C)	
Flow time:	61 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

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80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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user:

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 12.04.2023  
Product: **35-M300 0,5L Basecoat**

Version: 6.0

(50345493/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M300 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.3  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Carcinogenicity: Cat.2

Label elements and precautionary statement:



## Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin, polyurethane

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

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Content (W/W):  $\geq 5\%$  -  $< 7\%$   
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 108-65-6

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
 CAS Number: 126-86-3

Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 108-01-0

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 3 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

---

#### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

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**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

### Storage stability:

Storage temperature: < 35 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: white  
 Odour: of hydrocarbons

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: < 0 °C (calculated)

Flash point: 23 °C (ISO 3679)

Flammability (solid/gas): Flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self heating ability: It is not a material capable of spontaneous heating

Explosion hazard: not explosive

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Date of print: 13.04.2023

Fire promoting properties: not fire-propagating

Vapour pressure: 21.50 hPa (calculated)  
(20 °C)

(50 °C)  
not determined

Density: 0.988 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water:  
immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(20 °C)

(40 °C)  
not determined

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.



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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

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< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3Y  
IERG Number:14

**Sea transport**  
IMDG

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Date of print: 13.04.2023

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

#### **Air transport** IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

#### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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BASF Safety data sheet  
Date / Revised: 12.04.2023  
Product: **35-M300 0,5L Basecoat**

Version: 6.0

(50345493/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 16.04.2023  
Product: **35-M302 1L Basecoat**

Version: 4.0

(53224867/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M302 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

o-xylene



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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter. When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	

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	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	1.000 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:



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80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

### **Additional information**

Other ecotoxicological advice:

Acutely toxic for aquatic organisms.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

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Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M311 1L. Basecoat**

Version: 6.0

(50487095/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M311 1L. Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 5\%$  -  $< 7\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

o-xylene

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Date of print: 03.01.2024

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;



TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	

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Density:	0.969 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C) 884.000 mm <sup>2</sup> /s (40 °C)	
Flow time:	61 s (23 °C)	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation

and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

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### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EWG, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

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87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Marine pollutant: NO

Special precautions for user: EmS: F-E; S-E

### Air transport

IATA/ICAO

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UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M312 0,5L Basecoat**

Use: Monocoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:



## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

o-xylene

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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
Acute Tox.: Cat. 4 (dermal)  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 2B  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	green	
Odour:	of hydrocarbons	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	

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Density:	0.974 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity



Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EWG, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

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The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263

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UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M313 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin, polyurethane

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

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Content (W/W): $\geq 5\%$ - $< 7\%$ CAS Number: 107-98-2	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness and dizziness)
1-methoxy-2-propylacetate Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenzene Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 100-41-4	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 2 Acute Tox.: Cat. 4 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) STOT RE (Auditory organ): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
2-dimethylaminoethanol Content (W/W): $\geq 0.3\%$ - $< 0.5\%$ CAS Number: 108-01-0	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 3 (Inhalation - vapour) Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 1B Eye Dam./Irrit.: Cat. 1 STOT SE: Cat. 3 (irr. to respiratory syst.) Aquatic Acute: Cat. 3
2,4,7,9-Tetramethyldec-5-yne-4,7-diol Content (W/W): $\geq 0.3\%$ - $< 0.5\%$ CAS Number: 126-86-3	Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1B Aquatic Acute: Cat. 3 Aquatic Chronic: Cat. 3

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## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.



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**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: yellow  
Odour: of hydrocarbons

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: 114 °C (calculated)

Flash point: 22 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

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Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	6.70 hPa (20 °C)	
	No applicable information available.	
Density:	0.968 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

**Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**



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Hazchem Code:3YE

IERG Number:14

**Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

**Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M314 0,5L Basecoat**

Use: Monocoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.3  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin, polyurethane

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

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Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 107-98-2	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness and dizziness)
1-methoxy-2-propylacetate Content (W/W): $\geq 2.5\%$ - $< 3\%$ CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, $<2\%$ aromatics Content (W/W): $\geq 2\%$ - $< 2.5\%$ CAS Number: 64742-48-9	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenzene Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 100-41-4	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 2 Acute Tox.: Cat. 4 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) STOT RE (Auditory organ): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
2-dimethylaminoethanol Content (W/W): $\geq 0.5\%$ - $< 1\%$ CAS Number: 108-01-0	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 3 (Inhalation - vapour) Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 1B Eye Dam./Irrit.: Cat. 1 STOT SE: Cat. 3 (irr. to respiratory syst.) Aquatic Acute: Cat. 3
2,4,7,9-Tetramethyldec-5-yne-4,7-diol Content (W/W): $\geq 0.3\%$ - $< 0.5\%$ CAS Number: 126-86-3	Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1B Aquatic Acute: Cat. 3 Aquatic Chronic: Cat. 3

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#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits



ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
 Colour: yellow  
 Odour: of hydrocarbons

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: 114 °C (calculated)

Flash point: 23 °C (ISO 3679)

Flammability (solid/gas): Flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

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Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	6.70 hPa (20 °C)	
	No applicable information available.	
Density:	0.940 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

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Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### **Further information**

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Hazchem Code:3Y

IERG Number:14

**Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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**15. Regulatory Information****Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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Date of print: 12.04.2023

Tracking requirements do not apply to this substance.  
A certified handler is not required for the handling of this substance.

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 04.07.2021  
Product: **35-M312 0,5L Basecoat**

Version: 3.0

(53434960/SDS\_GEN\_NZ/EN)

Date of print 02.06.2022

## 1. Substance/preparation and manufacturer/supplier identification

### 35-M312 0,5L Basecoat

Use: Monocoat product

Recommended use: Sprayable

Manufacturer/supplier:

BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

## 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Hazardous to the aquatic environment - acute: Cat. 3

Flammable liquids: Cat. 2

Label elements and precautionary statement:

Pictogram:



Signal Word:

**Danger**

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

o-xylene

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
 CAS Number: 108-10-1

Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Acute Tox.: Cat. 5 (oral)  
 Asp. Tox.: Cat. 2

cyclohexane



On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 100 ppm (ACGIHTLV)  
STEL value 150 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 434 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 543 mg/m<sup>3</sup> ; 125 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)  
STEL value 150 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
nitrile gloves - material thickness: 0,7 mm

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust

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ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	green	
Odour:	specific	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114.00 °C	
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.974 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)



## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. Toxicological Information

### Acute toxicity

#### Assessment of acute toxicity:

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Information on: o-xylene

##### Experimental/calculated data:

LD50 rat (oral): 3,523 mg/kg (other)

The product has not been tested. A mixture of isomers has been tested.

LD50 rat (oral): 5,251 mg/kg (other)

The product has not been tested. A mixture of isomers has been tested.

#### Information on: ethylbenzene

##### Experimental/calculated data:

LD50 rat (oral): 3,500 mg/kg

Literature data.

#### Information on: xylene

##### Experimental/calculated data:

LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)

-----  
Information on: ethylbenzene

Experimental/calculated data:  
LD50 rabbit (dermal): 15,354 mg/kg  
Literature data.  
-----

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

---

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Observe national and local legal requirements.  
No disposal via sewage or waste water systems.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

Packing group: II  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

Packing group: II  
ID number: UN 1263  
Transport hazard class(es): 3  
Marine pollutant: NO  
Proper shipping name: PAINT

### Air transport

IATA/ICAO

Packing group: II  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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Date / Revised: 04.07.2021  
Product: **35-M312 0,5L Basecoat**

Version: 3.0

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Tracking requirements do not apply to this substance.  
A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 16.04.2023  
Product: **35-M331 0,5L Basecoat**

Version: 4.0

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Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M331 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 5\%$  -  $< 7\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

o-xylene



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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
Acute Tox.: Cat. 4 (dermal)  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 2B  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.00 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	

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	8.00 hPa (20 °C)	
	No applicable information available.	
Density:	0.999 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### **Assessment of acute toxicity**

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:



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80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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user:

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M332 0,5L Basecoat**

Use: Monocoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin, polyurethane

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

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Date of print: 12.04.2023

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 108-65-6

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 108-01-0

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 3 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 126-86-3

Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

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#### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

Components with occupational exposure limits

ethylbenzene, 100-41-4;



TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: red  
 Odour: of hydrocarbons

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: 114 °C (calculated)

Flash point: 22 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self heating ability: It is not a material capable of spontaneous heating

Explosion hazard: not explosive

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Fire promoting properties: not fire-propagating

Vapour pressure: 6.70 hPa (calculated)  
(20 °C)

(50 °C)  
not determined  
6.70 hPa  
(20 °C)

No applicable information available.

Density: 0.981 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water:

immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(20 °C)

(40 °C)  
not determined

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

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Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

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**IMDG**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport****IATA/ICAO**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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**15. Regulatory Information****Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



# Safety data sheet

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Date / Revised: 01.01.2024  
Product: **35-M341 0,5L Basecoat**

Version: 6.0

(53426798/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M341 0,5L Basecoat**

Use: Monocoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.3  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin, polyurethane

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

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Date of print: 03.01.2024

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 108-65-6

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 108-01-0

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 3 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 126-86-3

Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

---

#### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

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**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

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Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: violet  
 Odour: of glycol

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: 114 °C (calculated)

Flash point: 23 °C (ISO 3679)

Flammability (solid/gas): Flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self heating ability: It is not a material capable of spontaneous heating

Explosion hazard: not explosive



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Fire promoting properties: not fire-propagating

Vapour pressure: 6.70 hPa (calculated)  
(20 °C)

(50 °C)  
not determined

Density: 0.975 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water:  
immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(23 °C)  
  
(40 °C)  
No data available.

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)  
(23 °C)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EWG, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

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< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

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Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M342 0,5L Basecoat**

Version: 3.0

(53426904/SDS\_GEN\_NZ/EN)

Date of print 02.06.2022

## 1. Substance/preparation and manufacturer/supplier identification

### **35-M342 0,5L Basecoat**

Use: Monocoat product

Recommended use: Sprayable

Manufacturer/supplier:

BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

## 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 3

Serious eye damage/eye irritation: Cat. 2A

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Hazardous to the aquatic environment - acute: Cat. 3

Flammable liquids: Cat. 3

Germ cell mutagenicity: Cat. 1B  
Carcinogenicity: Cat. 1B

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P281	Use personal protective equipment as required.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):



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P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

ethylbenzene

Content (W/W): $\geq 1\%$ - $< 2\%$	Asp. Tox.: Cat. 1
CAS Number: 100-41-4	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	STOT RE (Auditory organ): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

Content (W/W): $\geq 3\%$ - $< 5\%$	Flam. Liq.: Cat. 3
CAS Number: 107-98-2	Acute Tox.: Cat. 5 (oral)
	STOT SE: Cat. 3 (drowsiness and dizziness)

2-dimethylaminoethanol

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Content (W/W): $\geq 0.3\%$ - $< 0.5\%$ CAS Number: 108-01-0	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 3 (Inhalation - vapour) Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 1B Eye Dam./Irrit.: Cat. 1 STOT SE: Cat. 3 (irr. to respiratory syst.) Aquatic Acute: Cat. 3
4-methylpentan-2-one Content (W/W): $\geq 12.5\%$ - $< 15\%$ CAS Number: 108-10-1	Flam. Liq.: Cat. 2 Acute Tox.: Cat. 4 (Inhalation - vapour) Eye Dam./Irrit.: Cat. 2A STOT SE: Cat. 3 (irr. to respiratory syst.) Acute Tox.: Cat. 5 (oral) Asp. Tox.: Cat. 2
1-methoxy-2-propylacetate Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
n-Butyl acetate Content (W/W): $\geq 30\%$ - $< 50\%$ CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
2,4,7,9-Tetramethyldec-5-yne-4,7-diol Content (W/W): $\geq 0.3\%$ - $< 0.5\%$ CAS Number: 126-86-3	Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1B Aquatic Acute: Cat. 3 Aquatic Chronic: Cat. 3
xylene Content (W/W): $\geq 7\%$ - $< 10\%$ CAS Number: 1330-20-7	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2B STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE (Central nervous system, Liver, Kidney): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3

| NAPHTHA (PETROL.), HEAVY ALKOXIDE, LOW BOILING POINT, MODIF.

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Content (W/W): $\geq 0.5\%$ - $< 1\%$	Asp. Tox.: Cat. 1
CAS Number: 64741-65-7	Flam. Liq.: Cat. 3
	Muta.: Cat. 1B
	Carc.: Cat. 1B
	Aquatic Chronic: Cat. 2

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

##### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

##### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

##### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

##### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

##### Note to physician:

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

#### 5. Fire-Fighting Measures

##### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

##### Unsuitable extinguishing media for safety reasons:

water jet

##### Specific hazards:

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Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 434 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 543 mg/m<sup>3</sup> ; 125 ppm (OEL (NZ))

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)  
STEL value 150 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

NAPHTHA (PETROL.), HEAVY ALKOXIDE, LOW BOILING POINT, MODIF., 64741-65-7;  
TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
nitrile gloves - material thickness: 0,7 mm

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

chemical-resistant disposable coveralls, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: red  
Odour: specific

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined  
onset of boiling: 114 °C

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Flash point:	23 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.974 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

## 10. Stability and Reactivity

Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

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Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

Information on: ethylbenzene  
Experimental/calculated data:  
LD50 rat (oral): 3,500 mg/kg  
Literature data.

Information on: 1-methoxypropan-2-ol  
Experimental/calculated data:  
LD50 rat (oral): 4,016 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol  
Experimental/calculated data:  
LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: xylene  
Experimental/calculated data:  
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)  
-----

Information on: 2-dimethylaminoethanol  
Experimental/calculated data:  
LC50 rat (by inhalation): 6.1 mg/l 1641 ppm 4 h (OECD Guideline 403)  
The vapour was tested.

rat (by inhalation): 10 min (IRT)  
No Mortality within the stated exposition time as shown in animal studies, however, deaths occurred after longer exposure.  
-----

Information on: ethylbenzene  
Experimental/calculated data:  
LD50 rabbit (dermal): 15,354 mg/kg  
Literature data.  
-----

## Irritation

Assessment of irritating effects:  
The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

## Respiratory/Skin sensitization



Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Capable of causing genetic defects.

### **Carcinogenicity**

Assessment of carcinogenicity:

The substance caused cancer in animal studies.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Observe national and local legal requirements.

No disposal via sewage or waste water systems.

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Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Marine pollutant: NO  
Proper shipping name: PAINT

### Air transport

IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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Tracking requirements do not apply to this substance.  
A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M343 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

o-xylene

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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.



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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	

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	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	1.000 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### **Assessment of acute toxicity**

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

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80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E



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user:

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

A certified handler is not required for the handling of this substance.

Tracking requirements do not apply to this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M351 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

**o-xylene**

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
Acute Tox.: Cat. 4 (dermal)  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 2B  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

**ethylbenzene**

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

**cyclohexane**

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)



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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	blue	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	

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	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	0.976 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### **Assessment of acute toxicity**

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

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80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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user:

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M352 0,5L Basecoat**

Version: 4.0

(53434854/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M352 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):



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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

o-xylene

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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

## ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

Chromium, tetrachloro- $\mu$ -hydroxy[.mu.-(2-methyl-2-propenoato- $\kappa$ O: $\kappa$ O')]di-

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 15096-41-0

Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 2  
 M-factor acute: 1

## cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

---

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

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**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

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Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	blue	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	

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Fire promoting properties: not fire-propagating

Vapour pressure: 8.40 hPa (calculated)  
(20 °C)

(50 °C)  
not determined

Density: 0.971 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water:  
immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(23 °C)  
  
(40 °C)  
No data available.

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)  
(23 °C)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:



Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EWG, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

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77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

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(53434854/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

A certified handler is not required for the handling of this substance.

Tracking requirements do not apply to this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 11.04.2023  
Product: **35-M353 0,5L Basecoat**

Version: 5.0

(53435119/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M353 0,5L Basecoat**

Use: Monocoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin, polyurethane

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

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Date of print: 12.04.2023

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 108-65-6

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 126-86-3

Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W):  $\geq 0.2\%$  -  $< 0.3\%$   
 CAS Number: 108-01-0

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 3 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.



#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: green  
 Odour: of hydrocarbons

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: 114 °C (calculated)

Flash point: 22 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self heating ability: It is not a material capable of spontaneous heating

Explosion hazard: not explosive

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Date of print: 12.04.2023

Fire promoting properties: not fire-propagating

Vapour pressure: 6.70 hPa (calculated)  
(20 °C)

(50 °C)  
not determined  
6.70 hPa  
(20 °C)

No applicable information available.

Density: 0.979 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water:

immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(20 °C)

(40 °C)  
not determined

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

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Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

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Date of print: 12.04.2023

**IMDG**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport****IATA/ICAO**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

**15. Regulatory Information****Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.



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Date / Revised: 11.04.2023  
Product: **35-M353 0,5L Basecoat**

Version: 5.0

(53435119/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 11.04.2023  
Product: **35-M381 0,5L Basecoat**

Version: 4.0

(53435225/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M381 0,5L Basecoat**

Use: Monocoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.3  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

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Content (W/W): $\geq 5\%$ - $< 7\%$ CAS Number: 107-98-2	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness and dizziness)
1-methoxy-2-propylacetate Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenzene Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 100-41-4	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 2 Acute Tox.: Cat. 4 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) STOT RE (Auditory organ): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
2-butoxyethanol Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 111-76-2	Flam. Liq.: Cat. 4 Eye Dam./Irrit.: Cat. 2A Acute Tox.: Cat. 4 (oral) Skin Corr./Irrit.: Cat. 2
2,4,7,9-Tetramethyldec-5-yne-4,7-diol Content (W/W): $\geq 0.5\%$ - $< 1\%$ CAS Number: 126-86-3	Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1B Aquatic Acute: Cat. 3 Aquatic Chronic: Cat. 3
2-dimethylaminoethanol Content (W/W): $\geq 0.3\%$ - $< 0.5\%$ CAS Number: 108-01-0	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 3 (Inhalation - vapour) Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 1B Eye Dam./Irrit.: Cat. 1 STOT SE: Cat. 3 (irr. to respiratory syst.) Aquatic Acute: Cat. 3

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the

product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))



### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: orange  
Odour: of hydrocarbons

pH value: substance/mixture is non-polar/aprotic

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Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	24 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	
	6.70 hPa (20 °C)	
	No applicable information available.	
Density:	0.956 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C)	
	not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as

prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

**Domestic transport:**

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UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3Y  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002669

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Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M382 0,5L Basecoat**

Version: 4.0

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Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M382 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:



## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

o-xylene

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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
Acute Tox.: Cat. 4 (dermal)  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 2B  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter. When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	

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Density:	1.010 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity



Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EWG, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

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Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

A certified handler is not required for the handling of this substance.

Tracking requirements do not apply to this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M383 0,5L Basecoat**

Use: Monocoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.3  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin, polyurethane

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

1-methoxypropan-2-ol

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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (oral)  
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 108-65-6

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 108-01-0

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 3 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 126-86-3

Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

---

#### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.



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**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: red  
 Odour: of hydrocarbons

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: 114 °C (calculated)

Flash point: 23 °C (ISO 3679)

Flammability (solid/gas): Flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self heating ability: It is not a material capable of spontaneous heating

Explosion hazard: not explosive

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Fire promoting properties: not fire-propagating

Vapour pressure: 6.70 hPa (calculated)  
(20 °C)

(50 °C)  
not determined

Density: 0.971 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water:  
immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(20 °C)

(40 °C)  
not determined

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: 2-dimethylaminoethanol

Elimination information:

60.5 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

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< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3Y  
IERG Number:14

**Sea transport**  
IMDG



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UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

#### **Air transport** IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

#### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Version: 5.0

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Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M391 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 5\%$ - $< 7\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

o-xylene

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Content (W/W):  $\geq 3\%$  -  $< 5\%$ 

CAS Number: 95-47-6

Asp. Tox.: Cat. 1

Flam. Liq.: Cat. 3

Acute Tox.: Cat. 4 (Inhalation - vapour)

Acute Tox.: Cat. 5 (oral)

Acute Tox.: Cat. 4 (dermal)

Skin Corr./Irrit.: Cat. 2

Eye Dam./Irrit.: Cat. 2B

STOT SE: Cat. 3 (irr. to respiratory syst.)

Aquatic Acute: Cat. 2

Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$ 

CAS Number: 100-41-4

Asp. Tox.: Cat. 1

Flam. Liq.: Cat. 2

Acute Tox.: Cat. 4 (Inhalation - vapour)

Acute Tox.: Cat. 5 (oral)

STOT RE (Auditory organ): Cat. 2

Aquatic Acute: Cat. 2

Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$ 

CAS Number: 110-82-7

Asp. Tox.: Cat. 1

Flam. Liq.: Cat. 2

Skin Corr./Irrit.: Cat. 2

STOT SE: Cat. 3 (drowsiness and dizziness)

Aquatic Acute: Cat. 1

Aquatic Chronic: Cat. 1

M-factor acute: 1

M-factor chronic: 1

---

## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;



TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.00 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	

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	8.00 hPa (20 °C)	
	No applicable information available.	
Density:	1.004 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: o-xylene

Elimination information:

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

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80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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user:

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

A certified handler is not required for the handling of this substance.

Tracking requirements do not apply to this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M590 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.3  
| Carcinogenicity: Cat.2



Label elements and precautionary statement:

Pictogram:



Signal Word:

Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

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**Precautionary Statements (Storage):**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

## n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

## xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

## 4-methylpentan-2-one

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Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

**ethylbenzene**

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Asp. Tox.: Cat. 1
CAS Number: 100-41-4	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	STOT RE (Auditory organ): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

**2-butoxyethanol**

Content (W/W): $\geq 1\%$ - $< 2\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

**1-methoxy-2-propylacetate**

Content (W/W): $\geq 1\%$ - $< 2\%$	Flam. Liq.: Cat. 3
CAS Number: 108-65-6	STOT SE: Cat. 3 (drowsiness and dizziness)

**Solvent naphtha (petroleum), light arom.**

Content (W/W): $\geq 1\%$ - $< 2\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-95-6	Flam. Liq.: Cat. 3
	Skin Corr./Irrit.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 2

---

#### 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Stove-lacquer RDL 50, Stove-lacquer R 78433, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer EHD0022, Stove-lacquer KNS L-5X, Stove-lacquer Valspar HXR008F red, Stove-lacquer Vitalure 745, Stove-lacquer NOVOCAN S-G 500, Stove-lacquer C222A/C221A, Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

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ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

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Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
 Colour: black  
 Odour: No data available.

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined  
 onset of boiling: 114 °C (calculated)  
 Flash point: 23 °C (ISO 3679)

Flammability (solid/gas): Flammable liquid and vapour.  
 Lower explosion limit: 36 g/m<sup>3</sup>  
 Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.  
 Self heating ability: It is not a material capable of spontaneous heating

Explosion hazard: not explosive  
 Fire promoting properties: not fire-propagating

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Vapour pressure:	21.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.919 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	220.0 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 32 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information



## Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Solvent naphtha (petroleum), light arom.

Elimination information:

77 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

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96 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (ISO 14593) (aerobic, activated sludge, domestic, adapted)  
 -----

### Bioaccumulation potential

Bioaccumulation potential:  
 No data available.

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
 Observe national and local legal requirements.

Contaminated packaging:  
 Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
 UN proper shipping name: PAINT  
 Transport hazard class(es): 3  
 Packing group: III  
 Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
 IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
 UN proper shipping name: PAINT  
 Transport hazard class(es): 3  
 Packing group: III  
 Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
 EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263

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UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M599 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.3  
Carcinogenicity: Cat.2  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P201	Obtain special instructions before use.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, polyether, organic solvent, pigment

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 50\%$ - $< 75\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

| Solventnaphtha (petroleum), light aromatic

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Content (W/W):  $\geq 7\%$  -  $< 10\%$   
CAS Number: 64742-95-6  
Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Chronic: Cat. 2

Propanoic acid, 3-ethoxy-, ethyl ester  
Content (W/W):  $\geq 5\%$  -  $< 7\%$   
CAS Number: 763-69-9  
Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 5 (oral)  
Aquatic Acute: Cat. 3  
Acute Tox.: Cat. 5 (dermal)

1-methoxy-2-propylacetate  
Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 108-65-6  
Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)

ethylbenzene  
Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4  
Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.



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**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: tinned carbon steel (Tinplate), Carbon steel (Iron), Polypropylene (PP), Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer C222A/C221A, Stove-lacquer NOVOCAN S-G 500, Stove-lacquer Vitalure 745, Stove-lacquer Valspar HXR008F red, Stove-lacquer KNS L-5X, Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer R 78433, Stove-lacquer RDL 50

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

| Solventnaphtha (petroleum), light aromatic, 64742-95-6;

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

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**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	silver colours	
Odour:	of hydrocarbons	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	26 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.00 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	
	8.00 hPa (20 °C)	

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No applicable information available.

Density: 0.881 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water:  
immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 269.0 mm<sup>2</sup>/s  
(20 °C)  
  
(40 °C)  
not determined

Flow time: > 40 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

**Routes of exposure**

**Assessment of acute toxicity**

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: Ethyl 3-ethoxypropionate

Elimination information:

100 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO<sub>2</sub> formation relative to the theoretical value (18 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic)

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Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3Y

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E



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Date of print: 18.04.2023

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.01.2024  
Product: **35-M1010 3,5L Basecoat**

Version: 7.0

(53220892/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1010 3,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Carcinogenicity: Cat.2  
Specific target organ toxicity — repeated exposure: Cat.2  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P242	Use non-sparking tools.
P271	Use only outdoors or in a well-ventilated area.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

inorganic compounds, cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

##### n-Butyl acetate

Content (W/W):  $\geq 25\%$  -  $< 30\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

##### xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

##### 4-methylpentan-2-one

Content (W/W):  $\geq 7\%$  -  $< 10\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

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## ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

## Solventnaphtha (petroleum), light aromatic

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 64742-95-6

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Chronic: Cat. 2

## toluene

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 108-88-3

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 Repr.: Cat. 2 (unborn child)  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT RE (Central nervous system): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

---

#### 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

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**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Aluminium, glass, Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

toluene, 108-88-3;

TWA value 20 ppm (ACGIHTLV)  
(OEL (NZ))  
Exposure can also be estimated by biological monitoring.  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.  
STEL value 377 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
TWA value 75 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

| Solventnaphtha (petroleum), light aromatic, 64742-95-6;

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).



Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	white
Odour:	ketone-like
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	not determined
Flash point:	22 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self ignition:	Unspecified

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Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1.161 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	Heavier than air.
Solubility in water:	not available
Miscibility with water:	immiscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)
	(40 °C) No data available.
Flow time:	> 60 s (23 °C)
	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

**Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: toluene

Elimination information:

80 % BOD of the ThOD (20 d) (APHA 'Standard Methods', No. 219, 1971) (aerobic, domestic sewage)

Literature data.

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Product: **35-M1010 3,5L Basecoat**

Version: 7.0

(53220892/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

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Date of print: 03.01.2024

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **35-M1020 1L Basecoat**

Version: 4.0

(53220998/SDS\_GEN\_NZ/EN)

Date of print 02.06.2022

## 1. Substance/preparation and manufacturer/supplier identification

### 35-M1020 1L Basecoat

Use: Basecoat product

Manufacturer/supplier:

BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

## 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Specific target organ toxicity — repeated exposure: Cat. 2

Hazardous to the aquatic environment - acute: Cat. 3

| Flammable liquids: Cat. 2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.



## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

## Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

##### ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

##### 4-methylpentan-2-one

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$   
 CAS Number: 108-10-1

Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Acute Tox.: Cat. 5 (oral)  
 Asp. Tox.: Cat. 2

##### n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

##### xylene

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Content (W/W): $\geq 10\%$ - $< 12.5\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

##### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

##### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

##### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

##### Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

#### 5. Fire-Fighting Measures

##### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

##### Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are

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heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: tinned carbon steel (Tinplate), Carbon steel (Iron)  
Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 434 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 543 mg/m<sup>3</sup> ; 125 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)  
STEL value 150 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

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Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	white
Odour:	of hydrocarbons
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	not determined
Flash point:	21 °C (ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive

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Fire promoting properties: not fire-propagating

Vapour pressure:

(20 °C)  
not determined

(50 °C)  
not determined

Density: 0.993 g/cm<sup>3</sup>  
(20 °C)

Miscibility with water:  
immiscible

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(20 °C)  
  
(40 °C)  
not determined

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the

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preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

Information on: ethylbenzene  
Experimental/calculated data:  
LD50 rat (oral): 3,500 mg/kg  
Literature data.

Information on: xylene  
Experimental/calculated data:  
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)  
-----

Information on: ethylbenzene  
Experimental/calculated data:  
LD50 rabbit (dermal): 15,354 mg/kg  
Literature data.  
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## **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

## **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

## **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

## **Carcinogenicity**

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

## **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

## **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

## **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**



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Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

Observe national and local legal requirements.  
No disposal via sewage or waste water systems.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

Packing group: II  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

Packing group: II  
ID number: UN 1263  
Transport hazard class(es): 3  
Marine pollutant: NO  
Proper shipping name: PAINT

### Air transport

IATA/ICAO

Packing group: II  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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Tracking requirements do not apply to this substance.  
A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M1021 1L Basecoat**

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Date of print: 01.04.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1021 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 15\%$ - $< 20\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Irrit.: Cat. 2
	Eye Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Chronic: Cat. 3
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2

ethylbenzene

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

### Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.  
Treatment: Symptomatic treatment (decontamination, vital functions).  
Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.



Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: white  
 Odour: No data available.

pH value: substance/mixture is non-polar/aprotic

Melting point:

onset of boiling: not determined  
 114 °C (calculated)

Flash point: 20 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.000 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Based on available data, the classification criteria are not met.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

**Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

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Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Marine pollutant: NO

Special precautions for user: EmS: F-E; S-E

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**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 16.04.2023  
Product: **35-M1110 1L Basecoat**

Version: 5.0

(53221104/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1110 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Acute toxicity: Cat.5 (Inhalation - vapour)  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):



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P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
------	---

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

4-methylpentan-2-one

Content (W/W): $\geq 25\%$ - $< 30\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

n-Butyl acetate

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	Content (W/W): $\geq 20\%$ - $< 25\%$ CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
xylene	Content (W/W): $\geq 10\%$ - $< 12.5\%$ CAS Number: 1330-20-7	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2B STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE (Central nervous system, Liver, Kidney): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
ethylbenzene	Content (W/W): $\geq 2\%$ - $< 2.5\%$ CAS Number: 100-41-4	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 2 Acute Tox.: Cat. 4 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) STOT RE (Auditory organ): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3

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## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

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**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	18 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	21.00 hPa (20 °C)	(calculated)
	(50 °C) not determined 21.00 hPa (20 °C)	
	No applicable information available.	

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Density:	0.958 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include

headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation.

Information on: 4-methylpentan-2-one

### **Acute inhalation toxicity**

Experimental/calculated data:

LC50 rat (by inhalation): 11.6 mg/l 4 h (similar to OECD guideline 403)

The vapour was tested.

ATE (by inhalation): 11 mg/l  
vapour  
-----

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**



**Assessment of teratogenicity:**

Based on available data, the classification criteria are not met.

**Information on: xylene****Assessment of teratogenicity:**

In animal studies the substance did not cause malformations.

**Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

**Repeated dose toxicity and Specific target organ toxicity (repeated exposure)****Assessment of repeated dose toxicity:**

Repeated exposure may affect certain organs.

**Aspiration hazard**

No aspiration hazard expected.

---

**12. Ecological Information****Ecotoxicity****Assessment of aquatic toxicity:**

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

**Mobility****Assessment transport between environmental compartments:**

No data available.

**Persistence and degradability****Assessment biodegradation and elimination (H<sub>2</sub>O):**

Biological degradability of hazardous substances mentioned in section 3:

**Information on: ethylbenzene****Elimination information:**

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

**Information on: n-Butyl acetate****Elimination information:**

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

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Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: Marine pollutant: NO

EmS: F-E; S-E

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Date of print: 18.04.2023

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 05.04.2023  
Product: **35-M1120 0,5L Basecoat**

Version: 5.0

(53377349/SDS\_GEN\_NZ/EN)

Date of print: 06.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1120 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.



### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: yellow  
 Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic

**Melting point:**

onset of boiling: not determined  
 119 °C (calculated)

Flash point: 20 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	0.978 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:  
Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

Information on: xylene  
Assessment of teratogenicity:  
In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

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Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

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UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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BASF Safety data sheet  
Date / Revised: 05.04.2023  
Product: **35-M1120 0,5L Basecoat**

Version: 5.0

(53377349/SDS\_GEN\_NZ/EN)

Date of print: 06.04.2023

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 02.11.2023  
Product: **35-M1130 0.5L Basecoat**

Version: 4.0

(50529321/SDS\_GEN\_NZ/EN)

Date of print: 03.11.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1130 0.5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Acute toxicity: Cat.5 (Inhalation - vapour)  
Acute toxicity: Cat.5 (oral)  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H303	May be harmful if swallowed.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

##### 4-methylpentan-2-one

Content (W/W): $\geq 30\%$ - $< 50\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### n-Butyl acetate

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

##### xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

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Copper, [1-[[[2-(hydroxy-.kappa.O)phenyl]imino-.kappa.N]methyl]-2-naphthalenolato(2-)-.kappa.O]-  
Content (W/W):  $\geq 5\%$  -  $< 7\%$  Acute Tox.: Cat. 4 (Inhalation - dust)  
CAS Number: 15680-42-9 Aquatic Acute: Cat. 3

ethylbenzene  
Content (W/W):  $\geq 1\%$  -  $< 2\%$  Asp. Tox.: Cat. 1  
CAS Number: 100-41-4 Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

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## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

### Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.  
Treatment: Symptomatic treatment (decontamination, vital functions).  
Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

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carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: yellow  
Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic

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Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	18 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.901 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:  
Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.



**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: ethylbenzene

#### Acute oral toxicity

Experimental/calculated data:  
LD50 rat (oral): 3,500 mg/kg  
Literature data.

Information on: xylene

#### Acute oral toxicity

Experimental/calculated data:  
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)  
-----

Information on: 4-methylpentan-2-one

#### Acute inhalation toxicity

Experimental/calculated data:  
| LC50 rat (by inhalation): 11.6 mg/l 4 h (similar to OECD guideline 403)

The vapour was tested.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### Aspiration hazard

No aspiration hazard expected.

---

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### Mobility

Assessment transport between environmental compartments:  
No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

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Version: 4.0

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Date of print: 03.11.2023

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

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## 15. Regulatory Information

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

A certified handler is not required for the handling of this substance.

Tracking requirements do not apply to this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **35-M1130 0,5L Basecoat**

Version: 3.0

(53377667/SDS\_GEN\_NZ/EN)

Date of print 02.06.2022

## 1. Substance/preparation and manufacturer/supplier identification

### 35-M1130 0,5L Basecoat

Use: Basecoat product

Manufacturer/supplier:

BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

## 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 3

Serious eye damage/eye irritation: Cat. 2A

Specific target organ toxicity — single exposure: Cat. 3 (Vapours may cause drowsiness and dizziness.)

Specific target organ toxicity — single exposure: Cat. 3 (irritating to respiratory system)

Hazardous to the aquatic environment - acute: Cat. 3

| Flammable liquids: Cat. 2

Acute toxicity: Cat. 5 (Inhalation - vapour)

Acute toxicity: Cat. 5 (oral)

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H303	May be harmful if swallowed.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

(53377667/SDS\_GEN\_NZ/EN)

Date of print 02.06.2022

P501

Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 108-10-1

Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Acute Tox.: Cat. 5 (oral)  
 Asp. Tox.: Cat. 2

n-Butyl acetate

Content (W/W):  $\geq 20\%$  -  $< 25\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

xylene



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Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

Copper, [1-[[[2-(hydroxy-.kappa.O)phenyl]imino-.kappa.N]methyl]-2-naphthalenolato(2-)-.kappa.O]-	
Content (W/W): $\geq 5\%$ - $< 7\%$	Acute Tox.: Cat. 4 (Inhalation - dust)
CAS Number: 15680-42-9	Aquatic Acute: Cat. 3

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Immediately remove contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

##### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

##### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

##### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

##### Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

#### 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

#### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)

TWA value 434 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

STEL value 543 mg/m<sup>3</sup> ; 125 ppm (OEL (NZ))

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)

TWA value 20 ppm (ACGIHTLV)

STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)

TWA value 50 ppm (ACGIHTLV)

TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV)

STEL value 150 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,7 mm

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	yellow
Odour:	ketone-like
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	119.00 °C
Flash point:	18 °C (ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C

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Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.901 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs

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may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: ethylbenzene  
Experimental/calculated data:  
LD50 rat (oral): 3,500 mg/kg  
Literature data.

Information on: xylene  
Experimental/calculated data:  
LD50 rat (oral): 3,523 mg/kg (similar to OECD guideline 401)  
-----

Information on: ethylbenzene  
Experimental/calculated data:  
LD50 rabbit (dermal): 15,354 mg/kg  
Literature data.  
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## Irritation

Assessment of irritating effects:  
The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

## Respiratory/Skin sensitization

Assessment of sensitization:  
Based on available data, the classification criteria are not met.

## Germ cell mutagenicity

Assessment of mutagenicity:  
Based on available data, the classification criteria are not met.

## Carcinogenicity

Assessment of carcinogenicity:  
Based on available data, the classification criteria are not met.

## Reproductive toxicity

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

## Developmental toxicity

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

Information on: xylene  
Assessment of teratogenicity:  
In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:  
Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

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87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:  
 No data available.

## 13. Disposal Considerations

Observe national and local legal requirements.  
 No disposal via sewage or waste water systems.

Contaminated packaging:  
 Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

Packing group:	II
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT

### Further information

Hazchem Code:3YE  
 IERG Number:14

### Sea transport

IMDG

Packing group:	II
ID number:	UN 1263
Transport hazard class(es):	3
Marine pollutant:	NO
Proper shipping name:	PAINT

### Air transport

IATA/ICAO

Packing group:	II
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT



## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 05.04.2023  
Product: **35-M1140 0,5L Basecoat**

Version: 4.0

(53378091/SDS\_GEN\_NZ/EN)

Date of print: 06.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1140 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
Carcinogenicity: Cat.2  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

zinc phosphate

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 7779-90-0

Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

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Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

phosphorus oxides

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)



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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	not determined	
Ignition temperature:	200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)

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(50 °C)  
not determined  
8.40 hPa  
(20 °C)

No applicable information available.

Density: 1.256 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water:  
immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(20 °C)

(40 °C)  
not determined

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

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80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: zinc phosphate

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

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Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1150 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Carcinogenicity: Cat.2  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Flammable liquids: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):



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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

Naphtha (petroleum),hydrotreated light, Kp > 140oC

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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 64742-49-0

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Chronic: Cat. 3

1-methoxy-2-propylacetate

Content (W/W):  $\geq 2.5\%$  -  $< 3\%$   
CAS Number: 108-65-6

Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

Solventnaphtha (petroleum), light aromatic

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 64742-95-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Chronic: Cat. 2

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

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**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

Naphtha (petroleum),hydrotreated light, Kp > 140oC, 64742-49-0;  
TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

Solventnaphtha (petroleum), light aromatic, 64742-95-6;

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
nitrile gloves - material thickness: 0,7 mm  
Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

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Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	21.00 hPa (20 °C)	(calculated)

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	(50 °C) not determined	
Density:	0.975 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

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### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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Information on: Naphtha (petroleum),hydrotreated light, Kp > 140oC

Elimination information:

9 % BOD of the ThOD (28 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, domestic sewage, adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Marine pollutant: NO

Special precautions for user: EmS: F-E; S-E

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**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M1160 0.5L Basecoat**

Version: 5.0

(50514418/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1160 0.5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 15\%$ - $< 20\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

ethylbenzene

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

### Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.



### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: yellow  
 Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic

Melting point:

onset of boiling: not determined  
 119 °C (calculated)

Flash point: 19 °C (ISO 3679)

Evaporation rate: not determined

Flammability (solid/gas): Highly flammable liquid and vapour.

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	0.923 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Solubility in water:	not determined	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:  
Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:  
Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

Information on: xylene  
Assessment of teratogenicity:  
In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

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**Sea transport**

## IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

## IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## 15. Regulatory Information

**Other regulations**

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Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.01.2024  
Product: **35-M1170 0,5L Basecoat**

Version: 6.0

(50445585/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1170 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Acute toxicity: Cat.5 (Inhalation - vapour)  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

## 4-methylpentan-2-one

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

## n-Butyl acetate

Content (W/W):  $\geq 20\%$  -  $< 25\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

## xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

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Date of print: 03.01.2024

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

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## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

### Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.  
Treatment: Symptomatic treatment (decontamination, vital functions).  
Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: yellow  
 Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic

Melting point:

onset of boiling: not determined  
 114 °C (calculated)

Flash point: 17 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

Lower explosion limit: 36 g/m<sup>3</sup>

Ignition temperature: > 200.00 °C

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Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	21.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.922 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.



**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation.

Information on: 4-methylpentan-2-one

#### Acute inhalation toxicity

Experimental/calculated data:

LC50 rat (by inhalation): 11.6 mg/l 4 h (similar to OECD guideline 403)

The vapour was tested.  
-----

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:  
Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

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Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

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Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M1220 0,5L Basecoat**

Version: 4.0

(53387790/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1220 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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Date of print: 18.04.2023

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 5\%$  -  $< 7\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.



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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	orange	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	21.50 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	21.50 hPa (20 °C)	
	No applicable information available.	
Density:	0.977 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	

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Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

**Domestic transport:**

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UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669



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Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Version: 2.0

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Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1230 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.3  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

acrylic resin, cellulose ester, organic solvent, pigment

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 15\%$ - $< 20\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 5\%$ - $< 7\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

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## 1,2,4-trimethylbenzene

Content (W/W):  $\geq 5\%$  -  $< 7\%$   
CAS Number: 95-63-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Skin Corr./Irrit.: Cat. 2  
Aquatic Chronic: Cat. 2  
Eye Dam./Irrit.: Cat. 2A  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 2

solvent naphtha (petroleum), light aromatic,  $<0.1\%$  benzene

Content (W/W):  $\geq 5\%$  -  $< 7\%$   
CAS Number: 64742-95-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Chronic: Cat. 2  
Aquatic Acute: Cat. 2

## Solvent naphtha (petroleum), light arom.

Content (W/W):  $\geq 2.5\%$  -  $< 3\%$   
CAS Number: 64742-95-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 2

## pentyl propionate

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
CAS Number: 624-54-4

Flam. Liq.: Cat. 3  
Aquatic Acute: Cat. 3

## ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

## propylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 103-65-1

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 2A  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 2

## mesitylene

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 108-67-8

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 2

---

## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

### Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

1,2,4-trimethylbenzene, 95-63-6;  
TWA value 123 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
TWA value 10 ppm (ACGIHTLV)

ethylbenzene, 100-41-4;  
TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;  
STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

mesitylene, 108-67-8;  
TWA value 123 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
TWA value 10 ppm (ACGIHTLV)

n-Butyl acetate, 123-86-4;  
STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;  
TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))



solvent naphtha (petroleum), light aromatic, <0.1% benzene, 64742-95-6;  
TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: orange  
Odour: ketone-like

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pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	24 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.924 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:  
Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:  
The product is stable if stored and handled as prescribed/indicated.

Reactivity:  
No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:  
The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:  
Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 1,2,4-trimethylbenzene

Elimination information:

> 20 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: propylbenzene

Elimination information:

34.4 % BOD of the ThOD (8 d) (other) (aerobic, activated sludge, domestic)

Information on: mesitylene

Elimination information:

61 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, other)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Solvent naphtha (petroleum), light arom.

Elimination information:

77 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

96 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (ISO 14593) (aerobic, activated sludge, domestic, adapted)

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

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Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1310 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Acute toxicity: Cat.5 (Inhalation - vapour)  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:



## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

##### 4-methylpentan-2-one

Content (W/W): $\geq 25\%$ - $< 30\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### n-Butyl acetate

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

##### xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

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ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

Proprietary Component of ANTI-TERRA U

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 222716-38-3

Skin Corr./Irrit.: Cat. 2

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

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carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: red  
Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic

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Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	19 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	
	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	0.956 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C)	
	not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as

prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation.

Information on: 4-methylpentan-2-one

#### Acute inhalation toxicity

Experimental/calculated data:

LC50 rat (by inhalation): 11.6 mg/l 4 h (similar to OECD guideline 403)

The vapour was tested.

ATE (by inhalation): 11 mg/l  
vapour  
-----

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.



## **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

## **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

## **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

## **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

## **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

## **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

## **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

## **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

## **Aspiration hazard**

No aspiration hazard expected.

---

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

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If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M1320 0,5L Basecoat**

Version: 5.0

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Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1320 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet



**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.947 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

**Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:  
In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene  
Elimination information:

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70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

BASF Safety data sheet  
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Product: **35-M1320 0,5L Basecoat**

Version: 5.0

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Date of print: 03.01.2024

Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.



# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 10.04.2023  
Product: **35-M1330 0,5L Basecoat**

Version: 4.0

(53389592/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1330 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

Proprietary Component of ANTI-TERRA-P

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 85711-34-8

Skin Sens.: Cat. 1  
Eye Dam./Irrit.: Cat. 2A

Cyclohexyldimethylammonium dihydrogen phosphate

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
Acute Tox.: Cat. 4 (oral)  
Acute Tox.: Cat. 3 (dermal)

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: orange  
Odour: ketone-like

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pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.937 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as



prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

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IERG Number:14

**Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## 15. Regulatory Information

**Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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Version: 4.0

(53389592/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 10.04.2023  
Product: **35-M1340 0,5L Basecoat**

Version: 5.0

(53390069/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1340 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 5\%$  -  $< 7\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene



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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4  
Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7  
Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

**Storage**

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

**Storage stability:**

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	18 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	0.951 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	

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Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

## **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

## **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

## **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

## **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

## **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

## **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

## **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

## **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

## **Aspiration hazard**

No aspiration hazard expected.

---

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.



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Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

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## 15. Regulatory Information

### **Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 01.01.2024  
Product: **35-M1350 1L Basecoat**

Version: 6.0

(53222270/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1350 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Acute toxicity: Cat.5 (Inhalation - vapour)  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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Date of print: 03.01.2024

**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

fillers, cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

## 4-methylpentan-2-one

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

## n-Butyl acetate

Content (W/W):  $\geq 25\%$  -  $< 30\%$   
 CAS Number: 123-86-4

Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

## xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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Content (W/W): $\geq 5\%$ - $< 7\%$	STOT RE: Cat. 2
CAS Number: 5521-31-3	

ethylbenzene

Content (W/W): $\geq 1\%$ - $< 2\%$	Asp. Tox.: Cat. 1
CAS Number: 100-41-4	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	STOT RE (Auditory organ): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

dodecan-1-ol

Content (W/W): $\geq 0.1\%$ - $< 0.2\%$	Eye Dam./Irrit.: Cat. 2A
CAS Number: 112-53-8	Aquatic Acute: Cat. 1
	Aquatic Chronic: Cat. 2
	M-factor acute: 1

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#### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.  
 Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:  
carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:  
Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:  
Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:  
Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:  
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the

particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

#### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;



TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: red  
Odour: ketone-like

pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	19 °C	(ISO 3679)
Evaporation rate:	not determined	
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	Unspecified	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.920 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Solubility in water:	not determined not available	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

### Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation.

Information on: 4-methylpentan-2-one

#### Acute inhalation toxicity

Experimental/calculated data:

LC50 rat (by inhalation): 11.6 mg/l 4 h (similar to OECD guideline 403)

The vapour was tested.  
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#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

## Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

## Mobility

Assessment transport between environmental compartments:

No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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## Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

**Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

BASF Safety data sheet  
Date / Revised: 01.01.2024  
Product: **35-M1350 1L Basecoat**

Version: 6.0

(53222270/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
  
Special precautions for user: None known

### **Further information**

Hazchem Code:3YE  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 16.04.2023  
Product: **35-M1360 0,5L Basecoat**

Version: 5.0

(53390175/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1360 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:



## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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Date of print: 18.04.2023

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

fillers, cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 20\%$ - $< 25\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

ethylbenzene

BASF Safety data sheet  
Date / Revised: 16.04.2023  
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Date of print: 18.04.2023

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

Naphthenic acids

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
CAS Number: 1338-24-5

Skin Corr./Irrit.: Cat. 2  
Skin Sens.: Cat. 1  
Eye Dam./Irrit.: Cat. 2A

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

##### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: red  
Odour: ketone-like

BASF Safety data sheet  
 Date / Revised: 16.04.2023  
 Product: **35-M1360 0,5L Basecoat**

Version: 5.0

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Date of print: 18.04.2023

pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	123 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	14.00 hPa (20 °C)	(calculated)
	68.00 hPa (50 °C)	(calculated)
	14.00 hPa (20 °C)	
	68.00 hPa (50 °C)	
Density:	0.933 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	474.9 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	70 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

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**Conditions to avoid:**

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness  
Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization



Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for: None known

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user:

**Further information**

Hazchem Code:3YE  
IERG Number:14

**Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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**16. Other Information**

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For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Version: 7.0

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Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1370 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Acute toxicity: Cat.5 (Inhalation - vapour)  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

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P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
------	---

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

4-methylpentan-2-one

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 108-10-1

Asp. Tox.: Cat. 2  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

n-Butyl acetate

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	Content (W/W): $\geq 25\%$ - $< 30\%$ CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
xylene	Content (W/W): $\geq 10\%$ - $< 12.5\%$ CAS Number: 1330-20-7	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2B STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE (Central nervous system, Liver, Kidney): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
ethylbenzene	Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 100-41-4	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 2 Acute Tox.: Cat. 4 (Inhalation - vapour) Acute Tox.: Cat. 5 (oral) STOT RE (Auditory organ): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

##### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

##### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

##### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.



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**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	19 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.901 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	

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Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause

some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation.

Information on: 4-methylpentan-2-one

### **Acute inhalation toxicity**

Experimental/calculated data:

LC50 rat (by inhalation): 11.6 mg/l 4 h (similar to OECD guideline 403)

The vapour was tested.  
-----

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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## Bioaccumulation potential

Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II



BASF Safety data sheet  
Date / Revised: 01.01.2024  
Product: **35-M1370 0,5L Basecoat**

Version: 7.0

(53402895/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 30.03.2024  
Product: **35-M1390 0,5L Basecoat**

Version: 4.0

(50654257/SDS\_GEN\_NZ/EN)

Date of print: 01.04.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1390 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
------	---

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

fillers, cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 50\%$ - $< 75\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Irrit.: Cat. 2
	Eye Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Chronic: Cat. 3
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2

4-methylpentan-2-one

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

| C.I. Pigment Red 179

Content (W/W): $\geq 7\%$ - $< 10\%$	STOT RE: Cat. 2
CAS Number: 5521-31-3	

ethylbenzene

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Date of print: 01.04.2024

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

dodecan-1-ol

Content (W/W):  $\geq 0.2\%$  -  $< 0.3\%$   
CAS Number: 112-53-8

Eye Irrit.: Cat. 2A  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 2  
M-factor acute: 1

---

#### 4. First-Aid Measures

##### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

##### If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

##### On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

##### On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

##### On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

##### Note to physician:

Symptoms: Eye irritation, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

#### Storage stability:

Storage temperature: 5 - 35 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
Colour: red  
Odour: of hydrocarbons



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pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	124 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	3.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.937 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

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Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:  
Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:  
Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:  
The product is stable if stored and handled as prescribed/indicated.

Reactivity:  
No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Based on available data, the classification criteria are not met.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

#### Symptoms

Eye irritation dazed state skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:  
The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:  
Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

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Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

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Date of print: 01.04.2024

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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Version: 4.0

(50654257/SDS\_GEN\_NZ/EN)

Date of print: 01.04.2024

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 16.04.2023  
Product: **35-M1411 1L Basecoat**

Version: 5.0

(50352431/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1411 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):



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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

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ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: violet  
 Odour: No data available.

pH value: substance/mixture is non-polar/aprotic

**Melting point:**

onset of boiling: not determined  
 114 °C (calculated)

Flash point: 22 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	6.70 hPa (20 °C)	
	No applicable information available.	
Density:	0.921 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:  
Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).



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Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

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Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 16.04.2023  
Product: **35-M1420 1L Basecoat**

Version: 4.0

(53222800/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1420 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

fillers, cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 20\%$ - $< 25\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

ethylbenzene

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;



STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	violet	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	0.934 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	

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(53222800/SDS\_GEN\_NZ/EN)

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Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

## **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.

## **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

## **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

## **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

## **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

## **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

-----

## **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

## **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

## **Aspiration hazard**

No aspiration hazard expected.

---

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

### Additional information

Other ecotoxicological advice:

Acutely toxic for aquatic organisms.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 16.04.2023  
Product: **35-M1430 1L Basecoat**

Version: 5.0

(53222588/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1430 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.3  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Acute toxicity: Cat.5 (Inhalation - vapour)  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:



## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use water spray for extinction.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 25\%$  -  $< 30\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 7\%$  -  $< 10\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	ketone-like	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	19 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	No applicable information available.	
	No applicable information available.	
Density:	0.897 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation.

Information on: 4-methylpentan-2-one

#### Acute inhalation toxicity

Experimental/calculated data:

LC50 rat (by inhalation): 11.6 mg/l 4 h (similar to OECD guideline 403)

The vapour was tested.

ATE (by inhalation): 11 mg/l  
vapour  
-----

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes slight irritation.



### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

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Special precautions for user:           None known

#### **Further information**

Hazchem Code:3YE  
IERG Number:14

#### **Sea transport**

IMDG

UN number or ID number:   UN 1263  
UN proper shipping name:   PAINT  
Transport hazard class(es):   3  
Packing group:           II  
Environmental hazards:       no  
  Marine pollutant: NO  
Special precautions for user:   EmS: F-E; S-E

#### **Air transport**

IATA/ICAO

UN number or ID number:   UN 1263  
UN proper shipping name:   PAINT  
Transport hazard class(es):   3  
Packing group:           II  
Environmental hazards:       No Mark as dangerous for the environment is needed  
Special precautions for user:   None known

---

## **15. Regulatory Information**

#### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M1511 1L Basecoat**

Version: 5.0

(52335846/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1511 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

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## Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 15\%$ - $< 20\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

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Content (W/W):  $\geq 10\%$  -  $< 12.5\%$   
 CAS Number: 1330-20-7  
 Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

## ethylbenzene

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
 CAS Number: 100-41-4  
 Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

## 3-(3-Isodecyloxypropylamino)propylamine

Content (W/W):  $\geq 0.2\%$  -  $< 0.3\%$   
 CAS Number: 72162-46-0  
 Acute Tox.: Cat. 3 (oral)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 Skin Corr./Irrit.: Cat. 1A  
 M-factor chronic: 10

---

#### 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.



**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

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**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	blue	
Odour:	of hydrocarbons	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 100 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	21.50 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.923 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	

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Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the

preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

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Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## 15. Regulatory Information



### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M1516 0,5L Basecoat**

Version: 4.0

(53404008/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1516 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

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**Precautionary Statements (Storage):**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 15\%$ - $< 20\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

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Content (W/W):  $\geq 10\%$  -  $< 12.5\%$   
 CAS Number: 1330-20-7  
 Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

**ethylbenzene**

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4  
 Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

**3-(3-Isodecyloxypropylamino)propylamine**

Content (W/W):  $> 0\%$  -  $< 0.1\%$   
 CAS Number: 72162-46-0  
 Acute Tox.: Cat. 3 (oral)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 Skin Corr./Irrit.: Cat. 1A  
 M-factor chronic: 10

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## 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

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**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.



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**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	blue	
Odour:	No data available.	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 100 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	21.50 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.917 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	

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Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the

preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.

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### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

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Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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(50385877/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1521 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):



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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form: liquid  
 Colour: blue  
 Odour: No data available.

pH value: substance/mixture is non-polar/aprotic

**Melting point:**

onset of boiling: not determined  
 119 °C (calculated)

Flash point: 20 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	0.912 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	305.0 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 45 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:  
Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).



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Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

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Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 16.04.2023  
Product: **35-M1530 1L Basecoat**

Version: 4.0

(53223224/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1530 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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ethylbenzene

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

[N,N,N',N',N'',N''-Hexaethyl-29H,31H-phthalocyaninetrimethylaminato(2-)-N29,N30,N31,N32]copper

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$  Skin Sens.: Cat. 1B  
CAS Number: 28654-73-1

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## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, allergic symptoms, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation

of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

**Storage**

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

**Storage stability:**

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;



TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Follow manufacturer's advice on use, storage, maintenance and replacement of gloves. The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream). Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: blue  
Odour: ketone-like

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(53223224/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

pH value: substance/mixture is non-polar/aprotic

Melting point: not determined

onset of boiling: not determined

Flash point: 20 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.  
Lower explosion limit: 36 g/m<sup>3</sup>  
Ignition temperature: > 200.00 °C

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Self heating ability: It is not a material capable of spontaneous heating

Explosion hazard: not explosive  
Fire promoting properties: not fire-propagating

Vapour pressure:  
(20 °C)  
not determined  
  
(50 °C)  
not determined  
  
No applicable information available.  
  
No applicable information available.

Density: 0.921 g/cm<sup>3</sup>  
(20 °C)

Relative vapour density (air):  
Heavier than air.

Miscibility with water: immiscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(20 °C)  
  
(40 °C)  
not determined

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

### Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation allergic symptoms dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:

In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

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Environmental hazards: no  
Special precautions for user: None known

**Further information**

Hazchem Code:3YE  
IERG Number:14

**Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M1541 3,5L Basecoat**

Version: 3.0

(50471272/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1541 3,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2



Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

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**Precautionary Statements (Storage):**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 15\%$ - $< 20\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

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Content (W/W):  $\geq 10\%$  -  $< 12.5\%$   
 CAS Number: 1330-20-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

**ethylbenzene**

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 STOT RE (Auditory organ): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

**cyclohexane**

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
 CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
 Flam. Liq.: Cat. 2  
 Skin Corr./Irrit.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

---

## 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)

TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))

STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

##### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1);

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	blue	
Odour:	No data available.	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C)	
	not determined	
	8.40 hPa (20 °C)	
	No applicable information available.	
Density:	0.924 g/cm <sup>3</sup> (20 °C)	

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Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C)	not determined
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs



may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

### **Symptoms**

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### Aspiration hazard

No aspiration hazard expected.

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## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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Product: **35-M1541 3,5L Basecoat**

Version: 3.0

(50471272/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 29.11.2023  
Product: **35-M1545 3,5L Basecoat**

Version: 1.0

(50715918/SDS\_GEN\_NZ/EN)

Date of print: 14.02.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1545 3,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

##### n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

##### 4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

##### xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

BASF Safety data sheet  
Date / Revised: 29.11.2023  
Product: **35-M1545 3,5L Basecoat**

Version: 1.0

(50715918/SDS\_GEN\_NZ/EN)

Date of print: 14.02.2024

**ethylbenzene**

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

**cyclohexane**

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

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## 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.  
Treatment: Symptomatic treatment (decontamination, vital functions).



Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the

particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Stove-lacquer RDL 50, Stove-lacquer R 78433, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer EHD0022, Stove-lacquer KNS L-5X, Stove-lacquer Valspar HXR008F red, Stove-lacquer Vitalure 745, Stove-lacquer NOVOCAN S-G 500, Stove-lacquer C222A/C221A, Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

#### Storage stability:

Storage temperature: 5 - 35 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	blue	
Odour:	of hydrocarbons	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:		
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.928 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	446.8 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 65 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

### Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Based on available data, the classification criteria are not met.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

**Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

BASF Safety data sheet  
Date / Revised: 29.11.2023  
Product: **35-M1545 3,5L Basecoat**

Version: 1.0

(50715918/SDS\_GEN\_NZ/EN)

Date of print: 14.02.2024

Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
  
Special precautions for user: None known

### **Further information**

Hazchem Code:3YE  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

A certified handler is not required for the handling of this substance.

Tracking requirements do not apply to this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017



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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.01.2024  
Product: **35-M1610 1L Basecoat**

Version: 6.0

(53223436/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1610 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
Carcinogenicity: Cat.2  
| Specific target organ toxicity — repeated exposure: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

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ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: green  
 Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic

Melting point:

onset of boiling: not determined  
 119 °C (calculated)

Flash point: 20 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.



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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.936 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

**Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

Information on: xylene

Assessment of teratogenicity:  
In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene  
Elimination information:

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70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

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Date of print: 03.01.2024

Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 12.04.2023  
Product: **35-M1621 1L Basecoat**

Version: 5.0

(50471220/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1621 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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Date of print: 13.04.2023

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3



ethylbenzene

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: green  
 Odour: No data available.

pH value: substance/mixture is non-polar/aprotic

**Melting point:**

onset of boiling: not determined  
 119 °C (calculated)

Flash point: 21 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.949 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

**Assessment of carcinogenicity:**

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

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80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
 Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Marine pollutant: NO

Special precautions for EmS: F-E; S-E



| user:

#### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

| user:

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002669  
Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **35-M1910 3,5L Basecoat**

Version: 6.0

(53223648/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1910 3,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

xylene

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

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**ethylbenzene**

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

**2-butoxyethanol**

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 111-76-2

Flam. Liq.: Cat. 4  
Eye Dam./Irrit.: Cat. 2A  
Acute Tox.: Cat. 4 (oral)  
Skin Corr./Irrit.: Cat. 2

**1-methoxy-2-propylacetate**

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 108-65-6

Flam. Liq.: Cat. 3  
STOT SE: Cat. 3 (drowsiness and dizziness)

---

## 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

**If inhaled:**

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

**On skin contact:**

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

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Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should

wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

#### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.



## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	black	
Odour:	No data available.	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	8.00 hPa (20 °C)	
	No applicable information available.	
Density:	0.929 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	

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Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

### **Irritation**

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

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Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### Mobility

Assessment transport between environmental compartments:  
No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

-----

### Bioaccumulation potential

Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no

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Special precautions for user:           None known

### **Further information**

Hazchem Code:3YE  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number:   UN 1263  
UN proper shipping name:   PAINT  
Transport hazard class(es):   3  
Packing group:               II  
Environmental hazards:       no  
  Marine pollutant: NO  
Special precautions for user:   EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number:   UN 1263  
UN proper shipping name:   PAINT  
Transport hazard class(es):   3  
Packing group:               II  
Environmental hazards:       No Mark as dangerous for the environment is needed  
Special precautions for user:   None known

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1920 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Specific target organ toxicity — repeated exposure: Cat.2  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



## Signal Word:

Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
P314	Get medical advice/attention if you feel unwell.

## Precautionary Statements (Storage):



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P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

n-Butyl acetate

Content (W/W):  $\geq 30\%$  -  $< 50\%$  Flam. Liq.: Cat. 3  
 CAS Number: 123-86-4 STOT SE: Cat. 3 (drowsiness and dizziness)  
 Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Asp. Tox.: Cat. 2  
 CAS Number: 108-10-1 Flam. Liq.: Cat. 2  
 Acute Tox.: Cat. 4 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Eye Dam./Irrit.: Cat. 2A  
 Carc.: Cat. 2  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$  Asp. Tox.: Cat. 1  
 CAS Number: 1330-20-7 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 5 (Inhalation - vapour)  
 Acute Tox.: Cat. 5 (oral)  
 Skin Corr./Irrit.: Cat. 2  
 Eye Dam./Irrit.: Cat. 2B  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 STOT RE (Central nervous system, Liver, Kidney): Cat. 2  
 Aquatic Acute: Cat. 2  
 Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

On contact with eyes:

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

On ingestion:

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

Note to physician:

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)  
Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

**Hand protection:**

Further information on penetration time is available from the manufacturer of the glove.  
 Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
 Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
 The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
 Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
 nitrile gloves - material thickness: 0,7 mm  
 Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
 Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)  
 Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form: liquid  
 Colour: black  
 Odour: ketone-like

pH value: substance/mixture is non-polar/aprotic

**Melting point:**

onset of boiling: not determined  
 119 °C (calculated)

Flash point: 20 °C (ISO 3679)

Flammability (solid/gas): Highly flammable liquid and vapour.

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Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	No applicable information available.	
	No applicable information available.	
Density:	0.931 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

**Assessment of irritating effects:**

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

**Assessment of sensitization:**

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

**Assessment of mutagenicity:**

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:  
Indication of possible carcinogenic effect in animal tests.

### **Reproductive toxicity**

Assessment of reproduction toxicity:  
Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:  
Based on available data, the classification criteria are not met.

Information on: xylene  
Assessment of teratogenicity:  
In animal studies the substance did not cause malformations.  
-----

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:



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Information on: ethylbenzene

Elimination information:

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

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Date / Revised: 16.04.2023  
Product: **35-M1920 1L Basecoat**

Version: 5.0

(53223754/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

---

## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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Version: 5.0

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Date of print: 18.04.2023

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.01.2024  
Product: **35-M1990 0,5L Basecoat**

Version: 4.0

(53404485/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**35-M1990 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

---

## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.3  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.2  
| Carcinogenicity: Cat.2

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

**Hazardous ingredients**

n-Butyl acetate

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness)
	Aquatic Acute: Cat. 3

4-methylpentan-2-one

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Asp. Tox.: Cat. 2
CAS Number: 108-10-1	Flam. Liq.: Cat. 2
	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	Carc.: Cat. 2
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

xylene

Content (W/W): $\geq 7\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 1330-20-7	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (Inhalation - vapour)
	Acute Tox.: Cat. 5 (oral)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2B
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system, Liver, Kidney): Cat. 2
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

o-xylene

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Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 95-47-6

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
Acute Tox.: Cat. 4 (dermal)  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 2B  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

ethylbenzene

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 100-41-4

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Acute Tox.: Cat. 4 (Inhalation - vapour)  
Acute Tox.: Cat. 5 (oral)  
STOT RE (Auditory organ): Cat. 2  
Aquatic Acute: Cat. 2  
Aquatic Chronic: Cat. 3

cyclohexane

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$   
CAS Number: 110-82-7

Asp. Tox.: Cat. 1  
Flam. Liq.: Cat. 2  
Skin Corr./Irrit.: Cat. 2  
STOT SE: Cat. 3 (drowsiness and dizziness)  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

---

## 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. Keep warm, calm and covered up. Immediately remove contaminated clothing. Never give anything by mouth to an unconscious person. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

Immediate medical attention required. Remove the affected individual into fresh air and keep the person calm. If breathing is irregular or stopped, administer artificial respiration.

On skin contact:

If symptoms persist, seek medical advice. Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

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**On contact with eyes:**

Remove contact lenses, if present. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required.

**On ingestion:**

Do not induce vomiting. Rinse mouth thoroughly with water, seek medical attention. If adverse health effects develop seek medical attention.

**Note to physician:**

Symptoms: Eye irritation, dazed state, irritation of respiratory tract, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste



regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

### Storage stability:

Storage temperature: 5.00 - 35.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV)

TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV)  
TWA value 88 mg/m<sup>3</sup> ; 20 ppm (OEL (NZ))  
STEL value 176 mg/m<sup>3</sup> ; 40 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

4-methylpentan-2-one, 108-10-1;

STEL value 75 ppm (ACGIHTLV)  
TWA value 20 ppm (ACGIHTLV)  
TWA value 205 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))  
STEL value 307 mg/m<sup>3</sup> ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV)  
TWA value 350 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 1,050 mg/m<sup>3</sup> ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV)  
TWA value 50 ppm (ACGIHTLV)  
TWA value 713 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))  
STEL value 950 mg/m<sup>3</sup> ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV)  
TWA value 217 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Suitable respiratory protection: e.g. full face mask with AB2P3 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

#### Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

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Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	black
Odour:	ketone-like
Odour threshold:	No data available.
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	not determined
Flash point:	21 °C (ISO 3679)
Evaporation rate:	No data available.
Flammability (solid/gas):	Highly flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

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Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
	No applicable information available.	
	No applicable information available.	
Density:	0.942 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

Eye irritation dazed state irritation of respiratory tract skin irritation dizziness Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

#### Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

#### Developmental toxicity

**Assessment of teratogenicity:**

Based on available data, the classification criteria are not met.

**Information on: xylene****Assessment of teratogenicity:**

In animal studies the substance did not cause malformations.

**Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

**Repeated dose toxicity and Specific target organ toxicity (repeated exposure)****Assessment of repeated dose toxicity:**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

No aspiration hazard expected.

---

**12. Ecological Information****Ecotoxicity****Assessment of aquatic toxicity:**

Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

**Mobility****Assessment transport between environmental compartments:**

No data available.

**Persistence and degradability****Assessment biodegradation and elimination (H<sub>2</sub>O):**

Biological degradability of hazardous substances mentioned in section 3:

**Information on: o-xylene****Elimination information:**

94 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EWG, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

**Information on: ethylbenzene****Elimination information:**

70 - 80 % TIC of the ThIC (28 d) (ISO 14593) (aerobic, activated sludge) Readily biodegradable (according to OECD criteria).

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Information on: cyclohexane

Elimination information:

77 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

Information on: n-Butyl acetate

Elimination information:

80 % BOD of the ThOD (5 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, municipal sewage treatment plant effluent)

Information on: xylene

Elimination information:

87.8 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3YE

IERG Number:14

### Sea transport

IMDG

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UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002669

Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.



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