

# **Baslac Safety Data Sheets**

# 35 LINE

NEW ZEALAND





## 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)

#### 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:

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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.
Dragoutionary Stateman	to (Drovention)
Precautionary Statemen P280	Wear protective gloves, protective clothing and eye protection or face
F200	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
5646	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 Statemen	its (Response):
P312	Call a POISÓN 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
D007 - D040	breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
Precautionary Statemen	
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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	5L Basecoat Converter	
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P501	Dispose of contents and cont collection point.	tainer to hazardous or special waste
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 ac	etate Content (W/W): >= 50 % - < 75 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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.)
xylene	Content (W/W): >= 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

Propanoic acid, 3-ethoxy-, ethyl ester

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	Content (W/W): >= 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)
ethylbenze	ene Content (W/W): >= 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

#### 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.

Aquatic Chronic: Cat. 3

#### 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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

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TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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:	colourless
Odour:	of hydrocarbons

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pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	23 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:		
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting propertie	not explosive s: 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/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	immiscible	
Partitioning coefficient n-	octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	36.0 mm2/s (20 °C)	
	(40 °C) not determined	
Flow time:	> 30 s	(DIN EN ISO 2431; 4 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 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**

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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.

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#### Persistence and degradability

Assessment biodegradation and elimination (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO2 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, nonadapted) 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 1866 UN proper shipping name: RESIN SOLUTION Transport hazard class(es): 3 Packing group: III

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Environmental hazards:	no
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Special precautions for None known user:

#### **Further information**

Hazchem Code:3Y IERG Number:14

#### Sea transport IMDG

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

#### Air transport

IATA/ICAO

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

#### **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.

#### **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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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

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Acute toxicity: Cat. 5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word: Warning

Hazard Statement: H319 H316 H333 H402 H226 H336 H335	Causes serious eye irritation. Causes mild skin irritation. May be harmful if inhaled. Harmful to aquatic life. Flammable liquid and vapour. May cause drowsiness or dizziness. May cause respiratory irritation.
Precautionary Statemer	nts (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
P240	ignition sources. No smoking. Ground and bond container and receiving equipment.
P240 P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
1 201	
Precautionary Statemer	nts (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 Statemer	nts (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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Version: 1.0

(50669237/SDS\_GEN\_NZ/EN)

Date of print 27.06.2022

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-c	ol Content (W/W): >= 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)
ethylbenze	ene Content (W/W): >= 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-methylpe	entan-2-one Content (W/W): >= 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 ace	etate Content (W/W): >= 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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	Content (W/W): >= 3 % - < 5 % CAS Number: 763-69-9	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) Aquatic Acute: Cat. 3
xylene		Acute Tox.: Cat. 5 (dermal)
	Content (W/W): >= 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

#### 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.

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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:

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 diposal 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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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

STEL value 400 ppm (ACGIHTLV) TWA value 200 ppm (ACGIHTLV) STEL value 1,230 mg/m3 ; 500 ppm (OEL (NZ)) TWA value 983 mg/m3 ; 400 ppm (OEL (NZ))

ethylbenzene, 100-41-4; TWA value 20 ppm (ACGIHTLV) TWA value 434 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 543 mg/m3 ; 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/m3 ; 75 ppm (OEL (NZ)) TWA value 205 mg/m3 ; 50 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

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TWA value 100 ppm (ACGIHTLV) STEL value 150 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

#### 9. Physical and Chemical Properties

Form: Colour: Odour:	liquid colourless specific
pH value:	not applicable
Melting point:	not determined

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onset of boiling:	82.00 °C	Date of print 27.06.2022
Flash point:	23 °C	
Flammability (solid/gas): Lower explosion limit: Ignition temperature: Self heating ability:	Flammable liquid and vapour. 36 g/m3 > 200 °C It is not a substance capable of spontaneous heating.	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	43.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.880 g/cm3 (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	80.0 mm2/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 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

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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)

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:

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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 (H2O): 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: Ethyl 3-ethoxypropionate Elimination information: 100 % CO2 formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO2 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, nonadapted) 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.

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: Ш UN 1866 ID number:

Transport hazard class(es): 3 Proper shipping name: **RESIN SOLUTION** 

**Further information** 

Hazchem Code:3Y IERG Number:14

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#### Sea transport IMDG

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

## Air transport

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

#### **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

#### 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-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)

#### 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:

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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 Statemen	ts (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 Statemen	ts (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

	<u></u>	
n-Butyl ac	cetate Content (W/W): >= 50 % - < 75 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	eentan-2-one Content (W/W): >= 10 % - < 12.5 % 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): >= 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): >= 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
cyclohexa	ne Content (W/W): >= 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.

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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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

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STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid white ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined 119 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	immissible	
immiscible Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/s (20 °C)	
	(40 °C) not determined	

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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 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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#### 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

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#### **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 (H2O): 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, nonadapted)

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, nonadapted) 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.

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# 14. Transport Information

#### Domestic transport:

UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es):	UN 1263 PAINT 3

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

# **15. Regulatory Information**

#### **Other regulations**

user:

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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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# 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)

# 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:

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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 Statemer	nts (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		
<b>D</b> 000	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 Statemer			
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.		
D204 + D240	Rinse skin with water or shower.		
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.		
P337 + P313	0		
P308 + P313	If eye irritation persists: Get medical attention. IF exposed or concerned: Get medical attention.		
P314	Get medical advice/attention if you feel unwell.		
	טטר חוטמוטמו מעיוטב/מונפוונוטוד וו צטע וככו עוושכוו.		

Precautionary Statements (Storage):

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P403 + P233 Store in a well-ventilated place. Keep container tightly clo				
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 bezards which do not result in classification:				

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 ace	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylpe	entan-2-one Content (W/W): >= 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): >= 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

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ethylbenzene

Content (W/W): >= 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

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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

#### <u>Handling</u>

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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid silver colours ketone-like	
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: Ignition temperature:	36 g/m3 > 200.00 ℃	
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: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.917 g/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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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.

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### **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 (H2O): Biological degradability of hazardous substances mentioned in section 3:

Information on: ethylbenzene Elimination information:

Version: 5.0

#### BASF Safety data sheet Date / Revised: 01.01.2024 Product: **35-M211 0,5L Basecoat**

(53404697/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II 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): Packing group: Environmental hazards: Special precautions for user:	3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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: 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:

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Pictogram:

Signal Word: Danger

Hazard Statement:			
H225	Highly flammable liquid and vapour.		
H316	Causes mild skin irritation.		
H319	Causes serious eye irritation.		
H335			
H336	May cause drowsiness or dizziness.		
H351	Suspected of causing cancer.		
H412	Harmful to aquatic life with long lasting effects.		
Precautionary Stateme	nts (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 Stateme			
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 Stateme			
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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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	,	(53224125/SDS_GEN_NZ/EN)
		Date of print: 03.01.2024
	Content (W/W): >= 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): >= 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.)
Solventna	ohtha (petroleum), light aromatic Content (W/W): >= 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
cyclohexar	ne Content (W/W): >= 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.

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3; 50 ppm (OEL (NZ)) STEL value 307 mg/m3; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid silver colours 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.925 g/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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:

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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.

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### **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 (H2O): 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, nonadapted)

Information on: n-Butyl acetate Elimination information:

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(53224125/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
Sea transport IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>

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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:	11
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for	None known
user:	

# **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.



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(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:

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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 Statemer	nts (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 Statemer	nts (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 Statemer	nts (Storage):
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 P405	Store in a well-ventilated place. Keep cool. 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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 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): >= 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): >= 1 % - < 2 %	Asp. Tox.: Cat. 2
CAS Number: 78-83-1	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): >= 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): >= 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

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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.

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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 eyerinsing 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.

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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/m3 ; 50 ppm (OEL (NZ))

isobutyl alcohol, 78-83-1; TWA value 50 ppm (ACGIHTLV) TWA value 152 mg/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7; TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

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

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#### 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:	
Colour:	
Odour:	

liquid silver colours ketone-like

pH value:

substance/mixture is nonpolar/aprotic

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Melting point:	not determined	
onset of boiling:	not determined 120 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	69.00 hPa (50 °C)	(calculated)
Density:	0.927 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	immiscible	
Partitioning coefficient n-	-octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	509.9 mm2/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.

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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:

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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.

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# Persistence and degradability

Assessment biodegradation and elimination (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es):	UN 1263 PAINT 3
Packing group:	II
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>

# 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	None known
user:	

# **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**

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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-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)

# 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:

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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 Statemer	nts (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 Statemer	
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 Statemer	
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 ac	etate Content (W/W): >= 50 % - < 75 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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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Floudel: 33-WZ 14 3,3L Basecoal	(53224337/SDS_GEN_NZ/EN)
	Date of print: 03.01.2024
Content (W/W): >= 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, Content (W/W): >= 1 % - < 2 % CAS Number: 64742-48-9	<2% aromatics Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
Solventnaphtha (petroleum), light aromatic Content (W/W): >= 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): >= 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

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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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 40 ppm (OEL (NZ)) Skin Designation (OEL (NZ)) Skin absorption can be significant.

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

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STEL value 75 ppm (ACGIHTLV) TWA value 20 ppm (ACGIHTLV) TWA value 205 mg/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7; TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid silver colours ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point: onset of boiling:	not determined	
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	(20 °C) not determined (50 °C) not determined	

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Density: Relative vapour density (	0.938 g/cm3 (20 °C)	
	Heavier than air.	
Miscibility with water:		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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

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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)

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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 (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>

#### 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: Special precautions for user: No Mark as dangerous for the environment is needed 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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Date of plint. 05.01.202

# 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)

# 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:

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Pictogram:	
Signal Word: Danger	
Hazard Statement: H225 H316 H319 H335 H336 H351 H373 H412	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
Precautionary Statemer	nts (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 P271 P242 P241 P243 P233	Wash contaminated body parts thoroughly after handling. Use only outdoors or in a well-ventilated area. Use non-sparking tools. Use explosion-proof electrical, ventilating and lighting equipment. Take action to prevent static discharges. Keep container tightly closed.
P240 P202	Ground and bond container and receiving equipment. Do not handle until all safety precautions have been read and understood.
P260 P273 P261 P201	Do not breathe dust or mist. Avoid release to the environment. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use.
Precautionary Statemer P305 + P351 + P338	nts (Response): IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 P370 + P378 P332 + P313 P303 + P361 + P353 P304 + P340 P337 + P313	Call a POISON CENTER or physician if you feel unwell. In case of fire: Use water spray for extinction. If skin irritation occurs: Get medical attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If eye irritation persists: Get medical attention.
P308 + P313 P314	IF exposed or concerned: Get medical attention. 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:			

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

xylene

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

### Hazardous ingredients

n-Butyl acetate	Flam. Liq.: Cat. 3
Content (W/W): >= 30 % - < 50 %	STOT SE: Cat. 3 (drowsiness and dizziness)
CAS Number: 123-86-4	Aquatic Acute: Cat. 3
4-methylpentan-2-one Content (W/W): >= 12.5 % - < 15 %	Asp. Tox.: Cat. 2 Flam. Liq.: Cat. 2

CAS Number: 108-10-1Acute Tox.: Cat. 4 (Inhalation - vapour)<br/>Acute Tox.: Cat. 5 (oral)<br/>Eye Dam./Irrit.: Cat. 2A<br/>Carc.: Cat. 2<br/>STOT SE: Cat. 3 (drowsiness and dizziness)<br/>STOT SE: Cat. 3 (irr. to respiratory syst.)Content (W/W): >= 7 % - < 10 %<br/>CAS Number: 1330-20-7Asp. Tox.: Cat. 1<br/>Flam. Liq.: Cat. 3<br/>Acute Tox.: Cat. 5 (Inhalation - vapour)<br/>Acute Tox.: Cat. 5 (oral)<br/>Skin Corr /Irrit : Cat. 2

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): >= 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): >= 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): >= 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): >= 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.

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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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

Stoddard solvent, 8052-41-3; TWA value 100 ppm (ACGIHTLV) TWA value 525 mg/m3 ; 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: Colour: Odour:	liquid silver colours 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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: Fire promoting propertie	not explosive es: not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.949 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	in min sik la	
Partitioning coefficient n	immiscible -octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	418.6 mm2/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.

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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.

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# **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 (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	

#### Sea transport IMDG

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

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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 None known user: UN

# **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.



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# 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)

# 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:

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Pictogram:	
Signal Word: Danger	
Hazard Statement: H225 H316 H319 H335 H336 H351 H412	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Harmful to aquatic life with long lasting effects.
Precautionary Statemer P280	nts (Prevention): Wear protective gloves, protective clothing and eye protection or face
P210	protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 P271 P242	Wash contaminated body parts thoroughly after handling. Use only outdoors or in a well-ventilated area. Use non-sparking tools.
P241 P243 P233	Use explosion-proof electrical, ventilating and lighting equipment. Take action to prevent static discharges. Keep container tightly closed.
P240 P202	Ground and bond container and receiving equipment. Do not handle until all safety precautions have been read and understood.
P273 P261 P201	Avoid release to the environment. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use.
Precautionary Statemer P312	nts (Response): 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 P332 + P313	In case of fire: Use water spray for extinction. 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 P308 + P313	If eye irritation persists: Get medical attention. IF exposed or concerned: Get medical attention.
Precautionary Statemer	
P403 + P233 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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 ac	etate Content (W/W): >= 50 % - < 75 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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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	Content (W/W): >= 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 na	phtha (petroleum), light aromatic, <0. Content (W/W): >= 1 % - < 2 % CAS Number: 64742-95-6	1% benzene 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
cyclohexar	ne Content (W/W): >= 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.

#### 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.

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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 diposal 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

solvent naphtha (petroleum), light aromatic, <0.1% benzene, 64742-95-6; TWA value 1,600 mg/m3 ; 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

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:

minutes of permeation time according to EN ISO 374-1)

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: Colour: Odour:	liquid silver colours 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	•	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	

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Vapour pressure:	13.00 hPa (20 °C) 66.00 hPa (50 °C) 13.00 hPa (20 °C) 66.00 hPa (50 °C)	(calculated) (calculated)
Density:	0.936 g/cm3	
Relative vapour density	(20 °C) (air): Heavier than air.	
Miscibility with water:		
Partitioning coefficient r	immiscible i-octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	509.9 mm2/s (20 °C)	
	(40 °C) not determined	
Flow time:	75 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 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:

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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 (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14 Sea transport	
IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>

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user:

#### Air transport IATA/ICAO

UN number or ID number UN proper shipping nam Transport hazard class(e Packing group: Environmental hazards: Special precautions for	e: PAINT
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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# 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:

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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 Statemer	nts (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 Statemer	
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 Statemer	
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 ac	cetate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	eentan-2-one Content (W/W): >= 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): >= 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): >= 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
cyclohexa	ne Content (W/W): >= 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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

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STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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# 9. Physical and Chemical Properties

Form: Colour: Odour:	liquid silver colours ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:	n et determined	
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	No decomposition if stored and	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
Vapour pressure:		(calculated)
Vapour pressure:	(20 °C) (50 °C) not determined 6.70 hPa	(calculated)
Vapour pressure: Density:	(20 °C) (50 °C) not determined 6.70 hPa (20 °C) No applicable information available. 0.949 g/cm3	(calculated)
	(20 °C) (50 °C) not determined 6.70 hPa (20 °C) No applicable information available. 0.949 g/cm3 (20 °C)	(calculated)
Density:	<ul> <li>(20 °C)</li> <li>(50 °C) not determined</li> <li>6.70 hPa</li> <li>(20 °C)</li> <li>No applicable information available.</li> <li>0.949 g/cm3</li> <li>(20 °C)</li> <li>(air): Heavier than air.</li> </ul>	(calculated)
Density: Relative vapour density (	<ul> <li>(20 °C)</li> <li>(50 °C)</li> <li>not determined</li> <li>6.70 hPa</li> <li>(20 °C)</li> <li>No applicable information available.</li> <li>0.949 g/cm3</li> <li>(20 °C)</li> <li>(air):</li> <li>Heavier than air.</li> </ul>	(calculated)
Density: Relative vapour density ( Miscibility with water:	<ul> <li>(20 °C)</li> <li>(50 °C)</li> <li>not determined</li> <li>6.70 hPa</li> <li>(20 °C)</li> <li>No applicable information available.</li> <li>0.949 g/cm3</li> <li>(20 °C)</li> <li>(air):</li> <li>Heavier than air.</li> </ul>	(calculated)

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Flow time:

> 61 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 decomposi

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.

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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: 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:

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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 (H2O): 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, nonadapted)

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, nonadapted) 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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UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.

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: 5.0

(50445765/SDS\_GEN\_NZ/EN) Date of print: 03.01.2024

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)

# 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:

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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 H351	May cause drowsiness or dizziness.
H373	Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
Precautionary Statemer	nts (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 Statemer	
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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Precautionary Statemen P501	ts (Disposal): Dispose of contents and container to hazardous or special waste collection point.
Other bazards which do not result in classification:	

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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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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n-butanol	
Content (W/W): >= 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): >= 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, Content (W/W): >= 1 % - < 2 % CAS Number: 64742-82-1	Flpoint < 55°C 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): >= 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.

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3; 50 ppm (OEL (NZ)) STEL value 307 mg/m3; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

Naphtha (petroleum), hydrodesulfurized heavy, Flpoint < 55°C, 64742-82-1; TWA value 100 ppm (ACGIHTLV) TWA value 525 mg/m3 ; 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: Colour: Odour:	liquid silver colours of hydrocarbons	
pH value:	substance/mixture is non- polar/aprotic	
Melting point: onset of boiling: Flash point:	not determined 0 °C 20 °C	(calculated) (ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	

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Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive not fire-propagating	
Vapour pressure:	21.50 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.924 g/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	in a in the	
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/s (23 °C) 755.000 mm2/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:

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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.

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#### **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 (H2O): 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, nonadapted)

Information on: n-Butyl acetate Elimination information:

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(50445765/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
Sea transport IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no 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	None known
user:	

# **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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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)

# 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:

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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.
11402	
Precautionary Statemen	ts (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
1210	ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and
F202	understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
Precautionary Statemen	ts (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.
F 503 + F 501 + F 555	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 Statemen	ts (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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 5 % - < 7 % CAS Number: 107-98-2	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness and dizziness)
1-methox	y-2-propylacetate Content (W/W): >= 3 % - < 5 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenz	ene Content (W/W): >= 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-Te	etramethyldec-5-yne-4,7-diol Content (W/W): >= 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-dimethy	rlaminoethanol Content (W/W): >= 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.

## 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.

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#### 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 diposal 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 eyerinsing 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

## 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3 ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid white 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): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	No decomposition if stored and	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	

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Fire promoting properties	s: not fire-propagating	
Vapour pressure:	21.50 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.988 g/cm3 (20 °C)	
Relative vapour density (	(air):	
	Heavier than air.	
Miscibility with water:		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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:

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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 (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO2 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, nonadapted) 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:	111
Environmental hazards:	no
Special precautions for	None known
user:	

## Further information

Hazchem Code:3Y IERG Number:14

Sea transport IMDG

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UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 III no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 III No Mark as dangerous for the environment is needed 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**

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.

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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.



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## 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:

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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 Stateme	
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 Stateme	nts (Response):
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove
10001100111000	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.
10001100111000	Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for
1 004 1 1 040	breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
Precautionary Stateme	nts (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 ac	cetate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	bentan-2-one Content (W/W): >= 10 % - < 12.5 % 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): >= 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

o-xylene

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Content (W/W): >= 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): >= 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): >= 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 diposal according with the waste

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid white 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (air):		
	Heavier than air.	
Miscibility with water:		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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** 

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#### 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 (H2O): 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, nonadapted)

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, nonadapted) 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): Packing group: Environmental hazards: Special precautions for user:	3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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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(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:

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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 Stateme	nts (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 Stateme	
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.
P304 + P340	Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for
P337 + P313	breathing.
P308 + P313	If eye irritation persists: Get medical attention. IF exposed or concerned: Get medical attention.
Precautionary Stateme	nts (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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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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	Date of print: 03.01.2024
Content (W/W): >= 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. 5 (oral) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2 STOT SE: Cat. 3 (irr. to respiratory syst.) Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
ethylbenzene Content (W/W): >= 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): >= 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

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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 eyerinsing 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

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid yellow 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	

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Density:	0.969 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:		
	immiscible	
Partitioning coefficient n-octanol/water (log Pow):		
	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/s (23 °C) 884.000 mm2/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

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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)

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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 (H2O): 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, nonadapted)

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:

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:	
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for	EmS: F-E; <u>S-E</u>
user:	

Air transport IATA/ICAO

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UN number or ID number:UN 1263UN proper shipping name:PAINTTransport hazard class(es):3Packing group:IIEnvironmental hazards:No Mark as dangerous for the environment is neededSpecial precautions forNone knownuser:UN 1263

# **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.



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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)

# 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:

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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 Stateme	nts (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 Stateme	
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 Stateme	
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**

tate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
ntan-2-one Content (W/W): >= 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.)
Content (W/W): >= 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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	Date of print: 03.01.2024
Content (W/W): >= 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): >= 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): >= 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

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid green of hydrocarbons	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:	not datarmined	
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	

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Density: Relative vapour density	0.974 g/cm3 (20 °C) (air): Heavier than air.	
Miscibility with water: Partitioning coefficient r	immiscible n-octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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

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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.

#### 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).

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# 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 (H2O): 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, nonadapted)

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, nonadapted)

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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
	Marine pollutant: NO
Special precautions for	EmS: F-E; <u>S-E</u>
user:	

# Air transport

UN number or ID number: UN 1263

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UN proper shipping name:PAINTTransport hazard class(es):3Packing group:IIEnvironmental hazards:No Mark as dangerous for the environment is neededSpecial precautions forNone knownuser:Vertice

# **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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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)

# 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:

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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 Statemen	
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
1 200	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
1 202	understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
Precautionary Statemen	ts (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 Statemen	
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 5 % - < 7 % CAS Number: 107-98-2	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness and dizziness)
1-methox	y-2-propylacetate Content (W/W): >= 3 % - < 5 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenz	ene Content (W/W): >= 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-dimethy	rlaminoethanol Content (W/W): >= 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-Te	etramethyldec-5-yne-4,7-diol Content (W/W): >= 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.

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#### 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 diposal 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 eyerinsing 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

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ethylbenzene, 100-41-4; TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3; 20 ppm (OEL (NZ)) STEL value 176 mg/m3; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3 ; 150 ppm (OEL (NZ)) 2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ)) n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ)) xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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:

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: Colour: Odour:	liquid yellow of hydrocarbons	
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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	immiscible	
Partitioning coefficient n-	octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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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**

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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 (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO2 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, nonadapted) 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:	ll
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; <u>S-E</u>

#### 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 of Special precautions for None known user:

PAINT 3 II No Mark as dangerous for the environment is needed 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.

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-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)

# 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:

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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.
11402	Trannia to aquate life.
Precautionary Statemen	ts (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
1210	ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and
P202	understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
Precautionary Statemen	ts (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
D007 · D040	breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
Precautionary Statemen	ts (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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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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luct: 35-M314 0,5L Basecoat	
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	Date of print: 12.04.2023
Content (W/W): >= 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): >= 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): >= 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): >= 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
-dimethylaminoethanol Content (W/W): >= 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): >= 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

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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

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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 diposal 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 eyerinsing 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

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ethylbenzene, 100-41-4; TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3; 20 ppm (OEL (NZ)) STEL value 176 mg/m3; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3 ; 150 ppm (OEL (NZ)) 2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ)) n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ)) xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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:

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: Colour: Odour:	liquid yellow 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): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 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: Fire promoting properties	not explosive s: 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/cm3 (20 °C)		
Relative vapour density			
Miscibility with water: immiscible			
Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures			
Viscosity, kinematic:	411.6 mm2/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.

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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**

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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 (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO2 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group:	UN 1263 PAINT 3 III
Environmental hazards:	
Special precautions for user:	no 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; <u>S-E</u>

#### 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 Special precautions for user:

PAINT 3 III No Mark as dangerous for the environment is needed 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**

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.

# **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: 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

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Date of print 02.06.2022

Label elements and precautionary statement:



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 Statemer	
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 Statemer	nts (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 Statemer	nts (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

Date of print 02.06.2022 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): >= 3 % - < 5 % Asp. Tox.: Cat. 1 CAS Number: 95-47-6 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): >= 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 4-methylpentan-2-one Content (W/W): >= 12.5 % - < 15 Flam. Liq.: Cat. 2 Acute Tox.: Cat. 4 (Inhalation - vapour) % CAS Number: 108-10-1 Eye Dam./Irrit.: Cat. 2A STOT SE: Cat. 3 (irr. to respiratory syst.) Acute Tox.: Cat. 5 (oral) Asp. Tox.: Cat. 2

cyclohexane

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		Date of print 02.06.2
	Content (W/W): >= 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
n-Butyl ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
xylene	Content (W/W): >= 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

# 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.

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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 diposal 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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV) TWA value 434 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 543 mg/m3 ; 125 ppm (OEL (NZ))

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

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STEL value 75 ppm (ACGIHTLV) TWA value 20 ppm (ACGIHTLV) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ)) TWA value 205 mg/m3 ; 50 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV) STEL value 150 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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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mm)

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: Colour: Odour:	liquid green 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): Lower explosion limit: Ignition temperature: Self heating ability:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C It is not a substance capable of spontaneous heating.	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.974 g/cm3 (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm2/s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6

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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 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

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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.

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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 (H2O): 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, nonadapted)

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, nonadapted) 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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Date of print 02.06.2022

# **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:** P

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

# 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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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

# **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: 16.04.2023 Product: **35-M331 0,5L Basecoat** 

Version: 4.0

(54464538/SDS\_GEN\_NZ/EN) 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)

# 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:

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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 Statemer	
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 Statemer	nts (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 Statemer	nts (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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(54464538/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

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 ad	cetate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	oentan-2-one Content (W/W): >= 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): >= 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

	D
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Content (W/W): >= 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): >= 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): >= 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 diposal according with the waste

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid red 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: 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/cm3	
Relative vapour density (	(20 °C) (air):	
	Heavier than air.	
Miscibility with water:		
	immiscible	
Partitioning coefficient n-	octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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** 

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#### 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. BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M331 0,5L Basecoat** 

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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 (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
Sea transport IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>

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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	None known
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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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:

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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 Statemen	ts (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
F 202	understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
Precautionary Statemen	ts (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.
F300 + F313	resposed of concerned. Get medical altention.
Precautionary Statemen	
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 3 % - < 5 % CAS Number: 107-98-2	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness and dizziness)
1-methox	y-2-propylacetate Content (W/W): >= 3 % - < 5 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenz	ene Content (W/W): >= 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-dimethy	'laminoethanol Content (W/W): >= 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-Te	etramethyldec-5-yne-4,7-diol Content (W/W): >= 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.

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#### 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 diposal 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3 ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid red 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	•	
Self heating ability:	handled as prescribed/indicated. 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 (20 °C)	(calculated)	
	(50 °C) not determined 6.70 hPa (20 °C)		
	No applicable information available.		
Density:	0.981 g/cm3 (20 °C)		
Relative vapour density (			
Miscibility with water:	in a the		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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.

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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**

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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 (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (OECD 3

< 10 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO2 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, nonadapted) 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
	5 II
Packing group:	
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for	EmS: F-E; <u>S-E</u>
user:	

Air transport IATA/ICAO

UN number or ID number:UN 1263UN proper shipping name:PAINTTransport hazard class(es):3Packing group:IIEnvironmental hazards:No Mark as dangerous for the environment is neededSpecial precautions forNone knownuser:UN 1263

# **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.

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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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# 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)

# 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:

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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 Statemen	
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.
F 201	Avoid breathing dust/tume/gas/mist/vapours/spray.
Precautionary Statemen	ts (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 Statemen	ts (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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 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): >= 3 % - < 5 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenzene Content (W/W): >= 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): >= 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): >= 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.

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#### 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3 ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid violet 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): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 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	s: not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.975 g/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	in a in the	
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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:

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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 (H2O): 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 % CO2 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, nonadapted)

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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 III no
Special precautions for user:	None known
Further information Hazchem Code:3Y IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 III no

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Special precautions for	
user:	

Marine pollutant: NO EmS: F-E; <u>S-E</u>

# Air transport

UN 1263 PAINT 3 III No Mark as dangerous for the environment is needed 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

# 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.

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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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# 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

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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 Statemer	ts (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 P312 P370 + P378 P332 + P313 P303 + P361 + P353	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or physician if you feel unwell. In case of fire: Use water spray for extinction. If skin irritation occurs: Get medical attention. 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 Statemen	its (Storage):
P403 + P233 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Precautionary Statemen P501	nts (Disposal): 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

ethylbenzene Content (W/W): >= 1 % - < 2 % CAS Number: 100-41-4	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): >= 3 % - < 5 % CAS Number: 107-98-2	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness and dizziness)

2-dimethylaminoethanol

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Eye Dam./Irrit.: Cat. 2B

Kidney): Cat. 2 Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3

STOT SE: Cat. 3 (irr. to respiratory syst.) STOT RE (Central nervous system, Liver,

NAPHTHA (PETROL.), HEAVY ALKOXIDE, LOW BOILING POINT, MODIF.

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Content (W/W): >= 0.5 % - < 1 % CAS Number: 64741-65-7	Asp. Tox.: Cat. 1 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 diposal 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 eyerinsing 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.

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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/m3 ; 100 ppm (OEL (NZ)) STEL value 543 mg/m3; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3; 150 ppm (OEL (NZ)) 2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3; 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/m3 ; 75 ppm (OEL (NZ)) TWA value 205 mg/m3 ; 50 ppm (OEL (NZ)) n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ)) xylene, 1330-20-7; TWA value 100 ppm (ACGIHTLV) STEL value 150 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

NAPHTHA (PETROL.), HEAVY ALKOXIDE, LOW BOILING POINT, MODIF., 64741-65-7; TWA value 1,600 mg/m3 ; 400 ppm (OEL (NZ))

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#### 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: Colour: Odour:	liquid red specific
pH value:	substance/mixture is non- polar/aprotic
Melting point:	
onset of boiling:	not determined 114 °C

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Flash point:	23 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature: Self heating ability:	Flammable liquid and vapour. 36 g/m3 > 200.00 °C It is not a substance capable of spontaneous heating.	
Explosion hazard: Fire promoting properties	not explosive : not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.974 g/cm3 (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm2/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**

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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.

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#### Persistence and degradability

Assessment biodegradation and elimination (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO2 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, nonadapted) 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.

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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:

Packing group:	
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:	111
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).

## **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

## **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-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:

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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.
11402	Hammul to aqualic life.
Precautionary Statemer	nts (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
1 202	understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
Precautionary Statemer	nts (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 Statemer	nts (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 ad	cetate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methvlp	pentan-2-one	
51	Content (W/W): >= 10 % - < 12.5 % 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): >= 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): >= 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
ethylbenzo	ene Content (W/W): >= 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
cyclohexa	ne Content (W/W): >= 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 diposal according with the waste

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid red 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	immiscible	
Partitioning coefficient n-		
Viscosity, kinematic:	411.6 mm2/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** 

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#### 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. BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M343 0,5L Basecoat** 

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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 (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14 Sea transport	
IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>

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Version: 4.0

(53426003/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

user:

#### Air transport IATA/ICAO

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

## **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

## **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: 16.04.2023 Product: **35-M351 1L Basecoat** 

Version: 5.0

(53225715/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

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)

## 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:

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BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M351 1L Basecoat** 

(53225715/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

Pictogram:	
Signal Word: Danger	
Hazard Statement: H225 H315 H319 H335 H336 H351 H412	Highly flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Harmful to aquatic life with long lasting effects.
Precautionary Statemer	nts (Prevention):
P210	Keep away from heat, hot surfaces, sparks, open flames and other
P280	ignition sources. No smoking. 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 Statemer	
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 P303 + P361 + P353	If skin irritation occurs: Get medical attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing.
1 303 +1 301 +1 333	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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3

4-methylp	entan-2-one Content (W/W): >= 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): >= 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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	(53225715/SDS_GE
	Date of print:
o-xylene Content (W/W): >= 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.)

ethylbenzene

	Content (W/W): >= 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
cyclohexa	ne Content (W/W): >= 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

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.

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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 diposal according with the waste

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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 eyerinsing 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

o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid blue 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. 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/cm3	
Relative vapour density (	(20 °C) air): Heavier than air.	
Miscibility with water:	1	
immiscible Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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** 

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#### 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. 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 (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14 Sea transport	
IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>

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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	None known
user:	

## **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-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:

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BASF Safety data sheet Date / Revised: 01.01.2024 Product: **35-M352 0,5L Basecoat** 

(53434854/SDS\_GEN\_NZ/EN) Date of print: 03.01.2024

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 Statemer	nts (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 Statemer			
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 Statemer	nts (Storage):		

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
D402 + D225	Store in a well wantilated place. Keep and

P403 + P235Store in a well-ventilated place. Keep cool.P405Store 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

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Product: 35-M352 0,5L Basecoat

Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### **Hazardous ingredients**

<u>nazaruou</u>				
n-Butyl ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3		
1 mothulo	onton 2 ono			
4-metnyip	entan-2-one Content (W/W): >= 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): >= 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		

o-xylene

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Content (W/W): >= 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. 5 (oral) 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): >= 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-µ-hydroxy[.mu(2-methy Content (W/W): >= 0.3 % - < 0.5 % CAS Number: 15096-41-0	
cyclohexane Content (W/W): >= 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.

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#### 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

#### <u>Handling</u>

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 eyerinsing 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

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o-xylene, 95-47-6;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid blue ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:	not determined	
-	119 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	No decomposition if stored and	
Self heating ability:	handled as prescribed/indicated. 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 (20 °C)	(calculated)	
	(50 °C) not determined		
Density:	0.971 g/cm3		
Relative vapour density	(20 °C) (air): Heavier than air.		
Miscibility with water:			
Partitioning coefficient n	immiscible -octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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 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:

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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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II 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): Packing group: Environmental hazards: Special precautions for user:	3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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

# 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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# 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)

# 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:

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Pictogram:

Signal Word: Danger

H225Highly flammable liquid and vapour.H316Causes mild skin irritation.H319Causes serious eye irritation.H335May cause respiratory irritation.H336May cause drowsiness or dizziness.H351Suspected of causing cancer.H402Harmful to aquatic life.Precautionary Statements (Prevention):P210Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.P280Wear protective gloves, protective clothing and eye protection or face protection.P264Wash contaminated body parts thoroughly after handling.P242Use only outdoors or in a well-ventilated area.P243Take action to prevent static discharges.P233Keep container tightly closed.P240Ground and bond container and receiving equipment.P202Do not handle until all safety precautions have been read and understood.P273Avoid release to the environment.P261Avoid breathing dust/fume/gas/mist/vapours/spray.	Hazard Statement:		
H316       Causes serious eye irritation.         H319       Causes serious eye irritation.         H335       May cause respiratory irritation.         H336       May cause drowsiness or dizziness.         H331       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 explosion-proof electrical, ventilating and lighting equipment.         P243       Take action to prevent static discharges.         P243       Take action do dond container and receiving equipment.         P264       Woid breathing dust/fume/gas/mist/vapours/spray.         P205       Do not handle until all safety precautions have been read and understood.         P273       Avoid breathing dust/fume/gas/mist/vapours/spray.         P201       Obtain special instructions before use.         Precautionary Statements (Response):       P305 + P351 + P338         P370 + P378       In case of fire: Use water spray for extinction		Highly flammable liquid and vapour.	
H319       Causes serious eye irritation.         H335       May cause respiratory irritation.         H336       May cause drowsiness or dizziness.         H331       Suspected of causing cancer.         H402       Harmful to aquatic life.         Precautionary Statements (Prevention):       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 onn-sparking tools.         P242       Use non-sparking tools.         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):       Pasta of fire: Use water spray for extinction.         P312       Call a POISON CENTER or physician if you feel unwell.	H316		
H335May cause respiratory irritation.H336May cause drowsiness or dizziness.H336May cause drowsiness or dizziness.H402Harmful to aquatic life.Precautionary Statements (Prevention):P210Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.P280Wear protective gloves, protective clothing and eye protection or face protection.P264Wash contaminated body parts thoroughly after handling.P271Use only outdoors or in a well-ventilated area.P242Use non-sparking tools.P241Use explosion-proof electrical, ventilating and lighting equipment.P243Take action to prevent static discharges.P233Keep container tightly closed.P244Ground and bond container and receiving equipment.P202Do not handle until all safety precautions have been read and understood.P273Avoid release to the environment.P261Avoid breathing dust/fume/gas/mist/vapours/spray.P201Obtain special instructions before use.Precautionary Statements (Response):P305 + P351 + P338IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.P304 + P378In case of fire: Use water spray for extinction.P337 + P313If skin irritation occurs: Get medical attention.P304 + P340IF INHALED: Remove person to fresh air and keep comfortable for breathing.P337 + P313If exposed or concerned: Get medical attention.P308 + P313IF			
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P308 + P313IF exposed or concerned: Get medical attention.Precautionary Statements (Storage):P403 + P233Store in a well-ventilated place. Keep container tightly closed.		breathing.	
Precautionary Statements (Storage): P403 + P233 Store in a well-ventilated place. Keep container tightly closed.			
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.	P308 + P313	IF exposed or concerned: Get medical attention.	
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.	Precautionary Statements (Storage):		
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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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D	ate of print: 12.04.2023
Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness	and dizziness)

STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate Content (W/W): >= 3% - < 5%CAS Number: 108-65-6

CAS Number: 107-98-2

Content (W/W): >= 3 % - < 5 %

ethylbenzene Content (W/W): >= 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): >= 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

Flam. Liq.: Cat. 3

2-dimethylaminoethanol Content (W/W): >= 0.2 % - < 0.3 % Flam. Liq.: Cat. 3 CAS Number: 108-01-0 Acute Tox.: Cat. 3 (Inhalation - vapour) Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 1B Eve 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.

# 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.

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#### 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 diposal 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3 ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid green of hydrocarbons	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:	not determined	
•	114 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	•	
Self heating ability:	handled as prescribed/indicated. 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 (20 °C)	(calculated)	
	(50 °C) not determined 6.70 hPa (20 °C)		
	No applicable information available.		
Density:	0.979 g/cm3 (20 °C)		
Relative vapour density (			
Miscibility with water:	imminaikla		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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.

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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**

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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 (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (OECD)

< 10 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO2 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, nonadapted) 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	EmS: F-E; <u>S-E</u>
user:	

Air transport IATA/ICAO

UN number or ID number:UN 1263UN proper shipping name:PAINTTransport hazard class(es):3Packing group:IIEnvironmental hazards:No Mark as dangerous for the environment is neededSpecial precautions forNone knownuser:UN 1263

# **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.

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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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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:

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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	
H4UZ	Harmful to aquatic life.
Precautionary Statemen	ts (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
1210	ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and
P202	understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
Precautionary Statemen	ts (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 Statemen	
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

<u>Indzaraou</u>	nazardodo ingrediento		
n-Butyl ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3	
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 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): >= 3 % - < 5 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenzene Content (W/W): >= 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): >= 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): >= 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): >= 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

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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 diposal 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 eyerinsing 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.

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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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3 ; 150 ppm (OEL (NZ)) 2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2; TWA value 20 ppm (ACGIHTLV) TWA value 121 mg/m3 ; 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/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

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#### 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 nonpolar/aprotic

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Melting point:		
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	24 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 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: Fire promoting propertie	not explosive s: 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: Relative vapour density	0.956 g/cm3 (20 °C) (air): Heavier than air.	
Miscibility with water:		
immiscible Partitioning coefficient n-octanol/water (log Pow):		
Farmoning coencient h	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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

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#### 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

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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 (H2O): 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: 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 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO2 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, nonadapted) 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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UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 III no
Special precautions for user:	None known
Further information Hazchem Code:3Y IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 III no Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 III No Mark as dangerous for the environment is needed 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**

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.

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-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:

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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 Stateme	
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 Stateme	nts (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 Statemen	
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 ac	cetate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	bentan-2-one Content (W/W): >= 10 % - < 12.5 % 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): >= 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

o-xylene

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	Date of print: 03.01.2024
Content (W/W): >= 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. 5 (oral) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2 STOT SE: Cat. 3 (irr. to respiratory syst.) Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 3
ethylbenzene Content (W/W): >= 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): >= 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

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid red 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	

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Density: Relative vapour density	1.010 g/cm3 (20 °C) (air):	
	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient r	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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

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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.

#### 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. BASF Safety data sheet Date / Revised: 01.01.2024 Product: **35-M382 0,5L Basecoat** 

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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 (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II 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	Marine pollutant: NO EmS: F-E; S-E
user:	LIIIO. 1 L, <u>O L</u>

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# Air transportIATA/ICAOUN number or ID number:UN 1263UN proper shipping name:PAINTTransport hazard class(es):3Packing group:IIEnvironmental hazards:No Mark as dangerous for the environment is neededSpecial precautions forNone knownuser:I

#### **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

#### 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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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)

#### 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:

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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.
11402	Tranniu to aquatic life.
Precautionary Statemen	ts (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
1210	ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P202	
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 Statemen	ts (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 Statemen	ts (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.
1.00	

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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 3 % - < 5 % CAS Number: 107-98-2	Flam. Liq.: Cat. 3 Acute Tox.: Cat. 5 (oral) STOT SE: Cat. 3 (drowsiness and dizziness)
1-methox	y-2-propylacetate Content (W/W): >= 3 % - < 5 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenz	ene Content (W/W): >= 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-dimethy	rlaminoethanol Content (W/W): >= 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-Te	etramethyldec-5-yne-4,7-diol Content (W/W): >= 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.

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#### 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 diposal 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 100 ppm (OEL (NZ)) STEL value 553 mg/m3 ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0; TWA value 7.4 mg/m3 ; 2 ppm (OEL (NZ)) STEL value 22 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid red 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): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	No decomposition if stored and	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	

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Fire promoting properties	s: not fire-propagating	
Vapour pressure:	6.70 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.971 g/cm3 (20 °C)	
Relative vapour density (	. ,	
Miscibility with water:	1	
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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:

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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 (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO2 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, nonadapted) 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:	111
Environmental hazards:	no
Special precautions for	None known
user:	

#### Further information

Hazchem Code:3Y IERG Number:14

Sea transport IMDG

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UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 III no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 III No Mark as dangerous for the environment is needed 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**

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.

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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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#### 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)

#### 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:

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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 Statemen	ts (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 Statemen	
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 Statemen	
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

Hazardous ingredients		
n-Butyl ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 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
ethylbenze	ene Content (W/W): >= 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
cyclohexa	ne Content (W/W): >= 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 diposal according with the waste

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid white 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting propertie	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (	air):	
	Heavier than air.	
Miscibility with water:	immissible	
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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** 

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#### 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. BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M391 0,5L Basecoat** 

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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 (H2O): 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, nonadapted)

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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>

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

#### **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

#### 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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(50649627/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

#### 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)

#### 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

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Label elements and precautionary statement:

Pictogram:



Signal Word: Warning

Hazard Statement: H226 H315 H319 H335 H336 H351 H373 H412	Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.
Precautionary Statemen	ts (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 Statemen	ts (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 Statemen	ts (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 Statemen	ts (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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
xylene	Content (W/W): >= 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

4-methylpentan-2-one

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Content (W/W): >= 7 % - < 10 % 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.)
ethylbenzene Content (W/W): >= 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): >= 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): >= 1 % - < 2 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
Solvent naphtha (petroleum), light arom. Content (W/W): >= 1 % - < 2 % 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

#### 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, 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.

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#### 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 diposal 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 eyerinsing 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

#### 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/m3; 20 ppm (OEL (NZ)) STEL value 176 mg/m3; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3; 75 ppm (OEL (NZ)) 2-butoxyethanol, 111-76-2; TWA value 20 ppm (ACGIHTLV) TWA value 121 mg/m3 ; 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/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ)) xylene, 1330-20-7; TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

#### 9. Physical and Chemical Properties

Form: Colour: Odour:	liquid black 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): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	•	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	

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Vapour pressure:	21.00 hPa (20 °C)	(calculated)	
	(50 °C) not determined		
Density:	0.919 g/cm3 (20 °C)		
Relative vapour density (			
	Heavier than air.		
Miscibility with water:			
immiscible			
Partitioning coefficient n-	octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	220.0 mm2/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**

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#### **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)

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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 (H2O): 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, nonadapted) 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 % CO2 formation relative to the theoretical value (28 d) (ISO 14593) (aerobic, activated sludge, domestic, adapted)

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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:	111
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
	Marine pollutant: NO
Special precautions for	EmS: F-E; <u>S-E</u>
user:	

## Air transport

UN number or ID number: UN 1263

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UN proper shipping name:PAINTTransport hazard class(es):3Packing group:IIIEnvironmental hazards:No Mark as dangerous for the environment is neededSpecial precautions forNone knownuser:User:

#### **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.



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Version: 6.0

(50649673/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

#### 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)

#### 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:

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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 Statemer	nts (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		
D240	ignition sources. No smoking.		
P240 P202	Ground and bond container and receiving equipment.		
F202	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 Statemer	nts (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 Statemer	nts (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 ac	cetate Content (W/W): >= 50 % - < 75 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
xylene	Content (W/W): >= 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
4-methylp	entan-2-one Content (W/W): >= 7 % - < 10 % 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.)

Solventnaphtha (petroleum), light aromatic

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·····	(50649673/SDS_GEN_NZ/EN)
	Date of print: 18.04.2023
Content (W/W): >= 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): >= 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): >= 3 % - < 5 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenzene Content (W/W): >= 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.

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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 diposal 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 eyerinsing 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;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid silver colours of hydrocarbons	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	26 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. 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/cm3 (20 °C)	
Relative vapour density (	· · · · · · · · · · · · · · · · · · ·	
Miscibility with water:	immiscible	
Partitioning coefficient n-	octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	269.0 mm2/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

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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.

#### 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. BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M599 0,5L Basecoat** 

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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 (H2O): 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 % CO2 formation relative to the theoretical value (28 d) (Directive 84/449/EEC, C.5) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

100 % CO2 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, nonadapted) 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

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	EmS: F-E; <u>S-E</u>
user:	

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# Air transportIATA/ICAOUN number or ID number:UN 1263UN proper shipping name:PAINTTransport hazard class(es):3Packing group:IIIEnvironmental hazards:No Mark as dangerous for the environment is neededSpecial precautions forNone knownuser:III

#### **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.



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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)

#### 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:

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(53220892/SDS\_GEN\_NZ/EN) Date of print: 03.01.2024

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 Stateme	ents (Prevention):
P201	Obtain special instructions before use.
P280	Wear protective gloves, protective clothing and eye protection or face
1 200	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 Stateme	ents (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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(53220892/SDS\_GEN\_NZ/EN)

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P403 + P233 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Precautionary Statemen	its (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 ac	etate	
-	Content (W/W): >= 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): >= 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
4-methylp	oentan-2-one Content (W/W): >= 7 % - < 10 % 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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ethylbenzene	
Content (W/W): >= 1 % - < 2 CAS Number: 100-41-4	<ul> <li>Asp. Tox.: Cat. 1</li> <li>Flam. Liq.: Cat. 2</li> <li>Acute Tox.: Cat. 4 (Inhalation - vapour)</li> <li>Acute Tox.: Cat. 5 (oral)</li> <li>STOT RE (Auditory organ): Cat. 2</li> <li>Aquatic Acute: Cat. 2</li> <li>Aquatic Chronic: Cat. 3</li> </ul>
Solventnaphtha (petroleum), light aroma Content (W/W): >= 1 % - < 2 CAS Number: 64742-95-6	
toluene Content (W/W): >= 0.1 % - < CAS Number: 108-88-3	0.2 % 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.

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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 eyerinsing 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;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 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/m3 ; 100 ppm (OEL (NZ)) TWA value 75 mg/m3 ; 20 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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).

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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: Colour: Odour:	liquid white ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined	
	not determined	
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	•	
Self ignition:	handled as prescribed/indicated. Unspecified	

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Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.161 g/cm3 (20 °C)	
Relative vapour density		
Solubility in water: Miscibility with water:	not available	
Partitioning coefficient n	immiscible -octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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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:

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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 (H2O): 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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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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no

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Special precautions for user:	Marine pollutant: NO EmS: F-E; <u>S-E</u>	
<b>Air transport</b> IATA/ICAO		
UN number or ID number:	UN 1263	

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

# **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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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:

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	(53220998/SDS_GEN_NZ/
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Pictogram:	
$\wedge$	$\land$
<u> </u>	
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 Statem	ients (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 Statem	ients (Response):
P305 + P351 + P338	
	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	
P304 + P340	clothing. Rinse skin with water or shower. 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 Statem	ients (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

ethylbenzene

Content (W/W): >= 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): >= 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): >= 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): >= 10 % - < 12.5</td>
 Asp. Tox.: Cat. 1

 %
 Flam. Liq.: Cat. 3

 CAS Number: 1330-20-7
 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
 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

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Date of print 02.06.2022

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 diposal 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 eyerinsing 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/m3 ; 100 ppm (OEL (NZ)) STEL value 543 mg/m3 ; 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/m3 ; 75 ppm (OEL (NZ))

TWA value 205 mg/m3 ; 50 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV) STEL value 150 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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

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: Colour: Odour:	liquid white of hydrocarbons	
pH value:	substance/mixture is non- polar/aprotic	
Melting point: onset of boiling:	not determined	
	not determined	
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature: Self heating ability:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	

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Fire promoting propertie	es: not fire-propagating	Date of print 02.06.2022
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.993 g/cm3 (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm2/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.

#### 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):

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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 (H2O): 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, nonadapted) 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: ID number: Transport hazard class(es): Proper shipping name:	ll UN 1263 3 PAINT
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
Packing group: ID number: Transport hazard class(es): Marine pollutant: Proper shipping name:	II UN 1263 3 NO PAINT
<b>Air transport</b> IATA/ICAO	
Packing group: ID number: Transport hazard class(es): Proper shipping name:	ll UN 1263 3 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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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

# **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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# 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:

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Signal Word: Danger

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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 Statemen	ts (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.
Propultionary Statemon	te (Beenenee):
Precautionary Statemen	
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
50-0 50-0	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.
D004 - D040	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.

Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

Store locked up.

P403 + P235

P405

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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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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 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): >= 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 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): >= 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:

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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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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

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: Colour: Odour:	liquid white 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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:	8.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.000 g/cm3	
(20 °C) Relative vapour density (air): Heavier than air.		
Miscibility with water:	in a in it la	
immiscible Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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.

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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 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**

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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 (H2O): 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, nonadapted) 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
	011 1203
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; <u>S-E</u>
user:	

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# Air transport<br/>IATA/ICAOUN 1263UN number or ID number:<br/>UN proper shipping name:<br/>Transport hazard class(es):UN 1263Packing group:<br/>Environmental hazards:<br/>Special precautions for<br/>user:UN 1263

# **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: 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)

# 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

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Label elements and precautionary statement:

Pictogram:

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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 Statemen	ts (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 Statemen	ts (Response):

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P305 + P351 + P338 P312	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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 bazards which do not result in classification:			

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-methylpe	entan-2-one	
	Content (W/W): >= 25 % - < 30 % 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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		Date of print: 18.04.2023
	Content (W/W): >= 20 % - < 25 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
xylene		
xyiene	Content (W/W): >= 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
ethylbenz	zene	
Guyidonz	Content (W/W): >= 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.

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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.

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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 diposal 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid yellow ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	18 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:		
immiscible Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic: 411.6 mm2/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

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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**

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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 (H2O): 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, nonadapted) 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
	0
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for	EmS: F-E; S-E
	2
user:	

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# Air transport<br/>IATA/ICAOUN 1263UN number or ID number:<br/>UN proper shipping name:<br/>Transport hazard class(es):UN 1263Packing group:<br/>Environmental hazards:<br/>Special precautions for<br/>user:UN 1263

#### **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.



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BASF Safety data sheet Date / Revised: 05.04.2023 Product: **35-M1120 0,5L Basecoat** 

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(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)

#### 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:

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BASF Safety data sheet Date / Revised: 05.04.2023 Product: **35-M1120 0,5L Basecoat** 

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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 H373	Suspected of causing cancer.
H402	May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life.
Π40Ζ	
Precautionary Stateme	nts (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
DOGO	understood.
P260 P273	Do not breathe dust or mist. Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
1201	
Precautionary Stateme	nts (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.
D004 - D040	Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for
D007 - D040	breathing.
P337 + P313	If eye irritation persists: Get medical attention. IF exposed or concerned: Get medical attention.
P308 + P313 P314	Get medical advice/attention if you feel unwell.
	Sou modical auvico/allonition il you leel unwell.

Precautionary Statements (Storage):

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P403 + P233Store in a well-ventilated place. Keep container tightly cloP403 + P235Store in a well-ventilated place. Keep cool.		
		P405
Precautionary Statements (Disposal):		
P501	Dispose of contents and container to hazardous or special waste collection point.	
Other hererde which do not requit in classification.		

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): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3

4-methylp	entan-2-one	
	Content (W/W): >= 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): >= 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

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ethylbenzene

Content (W/W): >= 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

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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 diposal 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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid yellow 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.

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Lower explosion limit: Ignition temperature:	36 g/m3 > 200.00 ℃	
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: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	immiscible	
Partitioning coefficient n-		
Viscosity, kinematic:	411.6 mm2/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 prescribed/indicated

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.

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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

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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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.

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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: 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)

#### 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:

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Version: 4.0

BASF Safety data sheet Date / Revised: 02.11.2023 Product: **35-M1130 0.5L Basecoat** 

(50529321/SDS\_GEN\_NZ/EN) Date of print: 03.11.2023

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 Stateme	ents (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
D070	understood.
P273	Avoid release to the environment.
P261 P201	Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use.
FZUI	Obtain special instructions before use.
Precautionary Stateme	ents (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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Version: 4.0

(50529321/SDS\_GEN\_NZ/EN)

Date of print: 03.11.2023

P403 + P233 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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-methylpe	entan-2-one Content (W/W): >= 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 ace	etate Content (W/W): >= 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): >= 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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BASF Safety data sheet	
	Marsiana 4.0
Date / Revised: 02.11.2023	Version: 4.0
Product: 35-M1130 0.5L Basecoat	
	(50529321/SDS_GEN_NZ/EN)
	Date of print: 03.11.2023
Copper, [1-[[[2-(hydroxykappa.O)phenyl]imin Content (W/W): >= 5 % - < 7 % CAS Number: 15680-42-9	okappa.N]methyl]-2- naphthalenolato(2-)kappa.O]- Acute Tox.: Cat. 4 (Inhalation - dust) Aquatic Acute: Cat. 3
ethylbenzene	
Content (W/W): >= 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
	•

#### 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:

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

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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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

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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 nonpolar/aprotic

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Melting point:	and defensely and	
onset of boiling:	not determined 119 °C	(calculated)
Flash point:	18 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.901 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	in a in the	
Partitioning coefficient n-	immiscible -octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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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)

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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.

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#### 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 (H2O): 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, nonadapted) 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.

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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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group:	UN 1263 PAINT 3 II

er: UN 1263 he: PAINT es): 3 II No Mark as dangerous for the environment is needed None known

15. Regulatory Information

Environmental hazards:

Special precautions for

user:

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#### **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.

A certified handler is not required for the handling of this substa

Tracking requirements do not apply to 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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#### 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)

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Label elements and precautionary statement:



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 Statemer	its (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 Statemer			
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 Statemer	nts (Storage):		

Trecadionary Glatements (Glorage):	
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

Date of print 02.06.2022 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): >= 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): >= 30 % - < 50 % CAS Number: 108-10-1	<ul> <li>Flam. Liq.: Cat. 2</li> <li>Acute Tox.: Cat. 4 (Inhalation - vapour)</li> <li>Eye Dam./Irrit.: Cat. 2A</li> <li>STOT SE: Cat. 3 (irr. to respiratory syst.)</li> <li>Acute Tox.: Cat. 5 (oral)</li> <li>Asp. Tox.: Cat. 2</li> </ul>
n-Butyl acetate Content (W/W): >= 20 % - < 25 % CAS Number: 123-86-4	<ul> <li>Flam. Liq.: Cat. 3</li> <li>STOT SE: Cat. 3 (drowsiness and dizziness)</li> <li>Aquatic Acute: Cat. 3</li> </ul>

xylene

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Date of print 02.06.2022 Content (W/W): >= 7 % - < 10 % Asp. Tox.: Cat. 1 CAS Number: 1330-20-7 Flam, Lig.: 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): >= 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:

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

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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/m3 ; 100 ppm (OEL (NZ)) STEL value 543 mg/m3 ; 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/m3 ; 75 ppm (OEL (NZ)) TWA value 205 mg/m3 ; 50 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 100 ppm (ACGIHTLV) STEL value 150 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid yellow ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point: onset of boiling: Flash point:	not determined 119.00 °C 18 °C	(ISO 3679)
	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	(130 3079)

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Self heating ability:	It is not a substance capable of spontaneous heating.	Date of print 02.06.2022
Explosion hazard: Fire promoting propertie	not explosive es: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.901 g/cm3 (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm2/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

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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.

#### 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.

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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.

#### **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 (H2O): 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.

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#### **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
Packing group: ID number:	UN 1263
Transport hazard class(es):	3
Marine pollutant:	NO
Proper shipping name:	PAINT

## Air transport

Packing group: ID number:	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. 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

#### **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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#### 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)

#### 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:

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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 Stateme	
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other
1210	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 Stateme	nts (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 Stateme	nts (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**

<u>Inazaraoa</u>					
n-Butyl ac	etate Content (W/W): >= 25 % - < 30 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3			
4-methylp	entan-2-one Content (W/W): >= 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): >= 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

zinc phosphate

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Content (W/W): >= 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): >= 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): >= 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.

#### 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.

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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 diposal 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid yellow ketone-like	
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): Lower explosion limit:	Highly flammable liquid and vapour.	
Ignition temperature:	not determined 200.00 °C	
Thermal decomposition:	•	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: 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/cm3	
Relative vapour density (	(20 °C) lative vapour density (air): Heavier than air.	
Miscibility with water:	inminaible	
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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 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:

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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 (H2O): 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, nonadapted)

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

Information on: zinc phosphate

#### **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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no

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Special precautions for user:	Marine pollutant: NO EmS: F-E; <u>S-E</u>	
<b>Air transport</b> IATA/ICAO		
UN number or ID number:	UN 1263	

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	None known
user:	

#### **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.



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Version: 5.0

(53378462/SDS\_GEN\_NZ/EN) Date of print: 03.01.2024

#### 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)

#### 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:

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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 Stateme	
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 Stateme	nts (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 Stateme	nts (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 ac	etate Content (W/W): >= 20 % - < 25 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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 (petroleum), hydrotreated light, Kp > 140oC

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Content (W/W): >= 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): >= 2.5 % - < 3 % CAS Number: 108-65-6	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
ethylbenzene Content (W/W): >= 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): >= 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.

#### 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.

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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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

Naphtha (petroleum),hydrotreated light, Kp > 140oC, 64742-49-0; TWA value 1,600 mg/m3 ; 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: Colour: Odour:	liquid yellow ketone-like	
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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:		
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	21.00 hPa (20 °C)	(calculated)

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	(50 °C) not determined	
Density:	0.975 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	immiscible	
Partitioning coefficient n-	octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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** 

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#### 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. BASF Safety data sheet Date / Revised: 01.01.2024 Product: **35-M1150 0,5L Basecoat** 

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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 (H2O): 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, nonadapted) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. BASF Safety data sheet Date / Revised: 01.01.2024 Product: **35-M1150 0,5L Basecoat** 

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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.

#### **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
	0
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for	EmS: F-E; S-E
	2
user:	

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# Air transport<br/>IATA/ICAOUN 1263UN number or ID number:<br/>UN proper shipping name:<br/>Transport hazard class(es):UN 1263Packing group:<br/>Environmental hazards:<br/>Special precautions for<br/>user:UN 1263

#### 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.



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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)

#### 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:

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(50514418/SDS\_GEN\_NZ/EN) Date of print: 12.04.2023

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 Statemer	nts (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 Statemer	
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 Statemer	
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 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:

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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 diposal 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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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

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: Colour: Odour:	liquid yellow 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.

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Lower explosion limit: Ignition temperature:	36 g/m3 > 200.00 ℃	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (		
Solubility in water: Miscibility with water:	not determined	
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, dynamic:	No oppliaghte information quailable	
Viscosity, kinematic:	No applicable information available. 411.6 mm2/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.

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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:

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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.

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#### Persistence and degradability

Assessment biodegradation and elimination (H2O): 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, nonadapted) 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	EmS: F-E; <u>S-E</u>
user:	

#### Air transport IATA/ICAO

UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:

UN 1263 PAINT 3 Ш No Mark as dangerous for the environment is needed 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.

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: 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)

# 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:

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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 H336	May cause respiratory irritation.
	May cause drowsiness or dizziness.
H351 H402	Suspected of causing cancer. Harmful to aquatic life.
Precautionary Statemen	ats (Prevention):
P280	Wear protective gloves, protective clothing and eye protection or face
1 200	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
<b>D</b> 070	understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
Precautionary Statemen	
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
D070 0 D070	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 Statemen	its (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

4-methylp	entan-2-one Content (W/W): >= 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 ac	etate Content (W/W): >= 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): >= 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): >= 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:

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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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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

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: Colour:	liquid yellow	
Odour:	ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
	not determined	
onset of boiling:	114 °C	(calculated)
Flash point:	17 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	

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Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	21.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.922 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	immiscible	
Partitioning coefficient n	-octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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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.

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#### 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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II 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; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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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(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:

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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 Statemer	nts (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
1210	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 Statemer	nts (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
D007 . D010	breathing.
P337 + P313	If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
Precautionary Statemer	nts (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 ac	cetate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	eentan-2-one Content (W/W): >= 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): >= 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): >= 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
cyclohexa	ne Content (W/W): >= 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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

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STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid orange ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:	not datarmined	
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	No decomposition if stored and	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/s (20 °C)	
	(40 °C) not determined	

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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

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.

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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: 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:

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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 (H2O): 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, nonadapted)

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, nonadapted) 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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UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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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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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# 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)

# 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:

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Pictogram:			
$\checkmark$ $\checkmark$ $\checkmark$			
Signal Word: Warning			
Hazard Statement: H226 H315 H319 H335 H336	Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness.		
H351 H412	Suspected of causing cancer. Harmful to aquatic life with long lasting effects.		
Precautionary Stateme	nts (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 Stateme			
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.	
Others have a developed and a set more this place if is stick.		

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

4-methylp	entan-2-one	
	Content (W/W): >= 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): >= 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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	Date of print: 18.04.2023
1,2,4-trimethylbenzene Content (W/W): >= 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 Content (W/W): >= 5 % - < 7 % CAS Number: 64742-95-6	0.1% benzene 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): >= 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): >= 2 % - < 2.5 % CAS Number: 624-54-4	Flam. Liq.: Cat. 3 Aquatic Acute: Cat. 3
ethylbenzene Content (W/W): >= 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): >= 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): >= 1 % - < 2 % CAS Number: 108-67-8 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:

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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 diposal 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 eyerinsing 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.

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#### 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/m3 ; 25 ppm (OEL (NZ)) TWA value 10 ppm (ACGIHTLV)

ethylbenzene, 100-41-4;

TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

mesitylene, 108-67-8;

TWA value 123 mg/m3 ; 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/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

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#### solvent naphtha (petroleum), light aromatic, <0.1% benzene, 64742-95-6; TWA value 1,600 mg/m3 ; 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.

# 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:		
onset of boiling:	not determined 119 °C	(calculated)
Flash point:	24 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:		
Self heating ability:	handled as prescribed/indicated. 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/cm3	
(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 mm2/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.

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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

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.

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#### 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 (H2O): Biological degradability of hazardous substances mentioned in section 3:

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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, nonadapted) 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 % CO2 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.

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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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 III no
Special precautions for user:	None known
Further information Hazchem Code:3Y IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 III no Marine pollutant: NO
Special precautions for	EmS: F-E; <u>S-E</u>

Special precautions for user:

# 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	None known
user:	

#### **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

# **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-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)

# 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:

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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 Statemer	nts (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
5004	protection.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242 P241	Use non-sparking tools.
P241 P243	Use explosion-proof electrical, ventilating and lighting equipment. Take action to prevent static discharges.
P243 P233	Keep container tightly closed.
P233 P240	Ground and bond container and receiving equipment.
P202	Do not handle until all safety precautions have been read and
1 202	understood.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
Precautionary Statemer	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove
P312	contact lenses, if present and easy to do. Continue rinsing. 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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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-methylpe	entan-2-one Content (W/W): >= 25 % - < 30 % 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 ace	etate Content (W/W): >= 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): >= 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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ethylbenzene Content (W/W): >= 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): >= 1 % - < 2 % CAS Number: 222716-38-3

Skin Corr./Irrit.: 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:

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

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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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 50 ppm (OEL (NZ))

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#### 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 nonpolar/aprotic

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Melting point:				
onset of boiling:	not determined 119 °C	(calculated)		
Flash point:	19 °C	(ISO 3679)		
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C			
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating			
Explosion hazard: Fire promoting properties	not explosive s: 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: Relative vapour density (	0.956 g/cm3 (20 °C) (air): Heavier than air.			
Miscibility with water:				
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures			
Viscosity, kinematic:	411.6 mm2/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:

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#### 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.

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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: 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 (H2O): 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, nonadapted) 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.

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# 14. Transport Information

#### Domestic transport:

UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es):	UN 1263 PAINT 3

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

# **15. Regulatory Information**

#### **Other regulations**

user:

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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.

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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-M1320 0,5L Basecoat** 

Version: 5.0

(53389910/SDS\_GEN\_NZ/EN) 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)

# 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:

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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 Statemen	
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 Statemen	
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 hererde which do not recult in place firstion.			

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): >= 30 % - < 50 %	Flam. Lig.: Cat. 3
CAS Number: 123-86-4	STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3

4-methylp	4-methylpentan-2-one			
	Content (W/W): >= 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): >= 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		

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ethylbenzene

Content (W/W): >= 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

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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

#### <u>Handling</u>

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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid red ketone-like	
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: Ignition temperature:	36 g/m3 > 200.00 ℃	
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: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.947 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	immiscible	
Partitioning coefficient n	-octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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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.

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## **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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II 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): Packing group: Environmental hazards: Special precautions for user:	3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.



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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:

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Pictogram:

Signal Word: Danger

Hazard Statement:	Linkly flow mobile linuid and you out
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 Statemen	ts (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 Statemen	ts (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 Statemen	
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 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): >= 0.1 % - < 0.2 %	Skin Sens.: Cat. 1

Eye Dam./Irrit.: Cat. 2A

Cyclohexyldimethylammonium dihydrogen phosphate

CAS Number: 85711-34-8

Content (W/W): >= 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.

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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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

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TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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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	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined 119 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gatower explosion limit Ignition temperature:		
Thermal decompositi		
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting prope	not explosive rties: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.937 g/cm3 (20 °C)	
Relative vapour dens		
Miscibility with water:		
Partitioning coefficier	immiscible nt n-octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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:

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## 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

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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.

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## Persistence and degradability

Assessment biodegradation and elimination (H2O): 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, nonadapted) 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	EmS: F-E; <u>S-E</u>
user:	

#### Air transport IATA/ICAO

UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:

UN 1263 PAINT 3 Ш No Mark as dangerous for the environment is needed 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.

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.



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## 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:

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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 Statemen	ts (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
. 2.0	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 Statemen	ts (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 Statemen	
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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): >= 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
cyclohexa	ne Content (W/W): >= 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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

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STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid red ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:	not determined	
onset of boiling:	not determined 119 °C	(calculated)
Flash point:	18 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:		
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
Vapour pressure:		(calculated)
Vapour pressure:	(20 °C) (50 °C) not determined 8.40 hPa	(calculated)
Vapour pressure: Density:	<ul> <li>(20 °C)</li> <li>(50 °C)</li> <li>not determined</li> <li>8.40 hPa</li> <li>(20 °C)</li> <li>No applicable information available.</li> <li>0.951 g/cm3</li> </ul>	(calculated)
	<ul> <li>(20 °C)</li> <li>(50 °C)</li> <li>not determined</li> <li>8.40 hPa</li> <li>(20 °C)</li> <li>No applicable information available.</li> <li>0.951 g/cm3</li> <li>(20 °C)</li> </ul>	(calculated)
Density:	<ul> <li>(20 °C)</li> <li>(50 °C)</li> <li>not determined</li> <li>8.40 hPa</li> <li>(20 °C)</li> <li>No applicable information available.</li> <li>0.951 g/cm3</li> <li>(20 °C)</li> <li>(air):</li> <li>Heavier than air.</li> </ul>	(calculated)
Density: Relative vapour density Miscibility with water:	<ul> <li>(20 °C)</li> <li>(50 °C)</li> <li>not determined</li> <li>8.40 hPa</li> <li>(20 °C)</li> <li>No applicable information available.</li> <li>0.951 g/cm3</li> <li>(20 °C)</li> <li>(air):</li> </ul>	(calculated)
Density: Relative vapour density Miscibility with water:	<ul> <li>(20 °C)</li> <li>(50 °C) not determined 8.40 hPa</li> <li>(20 °C)</li> <li>No applicable information available.</li> <li>0.951 g/cm3</li> <li>(20 °C)</li> <li>(air): Heavier than air.</li> <li>immiscible</li> <li>-octanol/water (log Pow):</li> </ul>	(calculated)

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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.

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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: 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 (H2O): 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, nonadapted)

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, nonadapted) 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.

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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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
Sea transport IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group:	UN 1263 PAINT 3 II

PAINT 3 II No Mark as dangerous for the environment is needed None known

15. Regulatory Information

Environmental hazards: Special precautions for

user:

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## **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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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:

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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 Statemen	nts (Prevention):
P280	Wear protective gloves, protective clothing and eye protection or face
. 200	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 Statemen	its (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.
Procentionary Statemen	hts (Storage):
Precautionary Statemen	
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

fillers, cellulose ester, organic solvent, pigment, saturated polyester resin

## Hazardous ingredients

4-methylp	oentan-2-one Content (W/W): >= 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 ac	cetate Content (W/W): >= 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): >= 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): >= 5 % - < 7 % CAS Number: 5521-31-3	STOT RE: Cat. 2
ethylbenze	ene	
,	Content (W/W): >= 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	I-ol	
	Content (W/W): >= 0.1 % - < 0.2 % CAS Number: 112-53-8	Eye Dam./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, 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).

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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

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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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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 20 ppm (ACGIHTLV) TWA value 205 mg/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

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TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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

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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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:		
Self ignition:	handled as prescribed/indicated. Unspecified	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.920 g/cm3	
Relative vapour density		
	Heavier than air.	
Solubility in water:	not determined not available	
Miscibility with water:		
Partitioning coefficient n	immiscible -octanol/water (log Pow): not applicable for mixtures	
Viscosity, dynamic:		
Viscosity, kinematic:	No applicable information available. 411.6 mm2/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

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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**

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#### 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 (H2O): 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, nonadapted) 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

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Transport hazard class(es): Packing group: Environmental hazards:	3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.

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: 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)

# 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:

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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 Stateme	nts (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 Stateme	
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 Stateme	
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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.)
xylene	Content (W/W): >= 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): >= 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): >= 0.5 % - < 1 % CAS Number: 1338-24-5	Skin Corr./Irrit.: Cat. 2 Skin Sens.: Cat. 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.

Eye Dam./Irrit.: Cat. 2A

#### 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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

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TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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

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pH value:	substance/mixture is non- polar/aprotic	
Melting point:	and determined	
onset of boiling:	not determined 123 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	14.00 hPa	(calculated)
	(20 °C) 68.00 hPa (50 °C) 14.00 hPa (20 °C) 68.00 hPa (50 °C)	(calculated)
Density:	0.933 g/cm3 (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 mm2/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**

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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.

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#### Mobility

Assessment transport between environmental compartments: No data available.

# Persistence and degradability

Assessment biodegradation and elimination (H2O): 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, nonadapted) 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:	11
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 proper shipping name: Transport hazard class(es):	UN 1263 PAINT 3
Packing group:	II
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>

# 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	None known
user:	

# **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**

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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-M1370 0,5L Basecoat** 

Version: 7.0

(53402895/SDS\_GEN\_NZ/EN) 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:

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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 Staten	nents (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 P240	Keep container tightly closed.
P240 P202	Ground and bond container and receiving equipment. Do not handle until all safety precautions have been read and
F ZUZ	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-methylp	entan-2-one	
51	Content (W/W): >= 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.)

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		Date of print: 03.01.2024
	Content (W/W): >= 25 % - < 30 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
vulana		
xylene	Content (W/W): >= 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
ethylbenz	zene Content (W/W): >= 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.

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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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid red 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.901 g/cm3	
(20 °C) Relative vapour density (air): Heavier than air.		

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Miscibility with water:		
Partitioning coefficient n	immiscible -octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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

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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. BASF Safety data sheet Date / Revised: 01.01.2024 Product: **35-M1370 0,5L Basecoat** 

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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. 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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>

#### 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: Special precautions for user: No Mark as dangerous for the environment is needed 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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(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:

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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 Statement	ts (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 Statement	ts (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

fillers, cellulose ester, organic solvent, pigment, saturated polyester resin

#### Hazardous ingredients

nazaruous ingreulents			
n-Butyl ac	etate Content (W/W): >= 50 % - < 75 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3	
xylene	Content (W/W): >= 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 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-methylp	entan-2-one Content (W/W): >= 7 % - < 10 % 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 Irrit.: Cat. 2A Carc.: Cat. 2 STOT SE: Cat. 3 (drowsiness and dizziness) STOT SE: Cat. 3 (irr. to respiratory syst.)	
C.I. Pigme	ent Red 179 Content (W/W): >= 7 % - < 10 % CAS Number: 5521-31-3	STOT RE: Cat. 2	

ethylbenzene

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Content (W/W): >= 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
-ol Content (W/W): >= 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

do

#### 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4; STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

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TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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

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pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined 124 °C	(calculated)
Flash point:	22 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive : not fire-propagating	
Vapour pressure:	3.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.937 g/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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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.

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# 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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.

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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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# 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:

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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 H351	May cause drowsiness or dizziness. Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.
11402	Harmu to aquatic life.
Precautionary Statemer	nts (Prevention):
P210	Keep away from heat, hot surfaces, sparks, open flames and other
Baaa	ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face
P264	protection. Wash contaminated body parts thoroughly after handling.
P204 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.
Procesitionary Statemor	nte (Posponeo):
Precautionary Statemer P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove
F 505 + F 551 + F 556	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
D007 . D040	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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
CAS Number: 123-60-4	Aquatic Acute: Cat. 3

#### xylene

, yiere	Content (W/W): >= 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
4-methylp	oentan-2-one Content (W/W): >= 10 % - < 12.5 % 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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ethylbenzene

Content (W/W): >= 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

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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 diposal 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

#### <u>Handling</u>

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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid violet No data available.	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
	not determined	/ I I / N
onset of boiling:	114 °C	(calculated)
Flash point:	22 °C	(ISO 3679)

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

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Lower explosion limit: Ignition temperature:	36 g/m3 > 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: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	immiscible	
Partitioning coefficient n-		
Viscosity, kinematic:	411.6 mm2/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

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.

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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

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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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no

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Special precautions for user:	Marine pollutant: NO EmS: F-E; <u>S-E</u>	
<b>Air transport</b> IATA/ICAO		
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group:	UN 1263 PAINT 3 II	

None known

15. Regulatory Information

Environmental hazards:

Special precautions for

user:

#### **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.

No Mark as dangerous for the environment is needed

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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# 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)

# 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:

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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 Statemer	
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 Statemer	nts (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
P370 + P378	contact lenses, if present and easy to do. Continue rinsing. 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.
1 303 +1 301 +1 333	Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for
P337 + P313	breathing. If eye irritation persists: Get medical attention.
P308 + P313	IF exposed or concerned: Get medical attention.
1 000 1 1 010	a expected of concerned. Our medical alternion.
Precautionary Statemer	
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 ac	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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.)
xylene	Content (W/W): >= 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): >= 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
cyclohexa	ne Content (W/W): >= 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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

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STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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

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#### liquid Form: violet Colour: Odour: ketone-like pH value: substance/mixture is nonpolar/aprotic Melting point: not determined 119 °C onset of boiling: (calculated) 20 °C Flash point: (ISO 3679) Flammability (solid/gas): Highly flammable liquid and vapour. Lower explosion limit: 36 g/m3 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 (calculated) (20 °C) (50 °C) not determined 8.40 hPa (20 °C) No applicable information available. Density: 0.934 g/cm3 (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 mm2/s (20 °C) (40 °C) not determined

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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 decomp

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.

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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: 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. 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 (H2O): 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, nonadapted)

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, nonadapted) 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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Version: 4.0

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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:	П
Environmental hazards:	no
Special precautions for	None known
user:	

#### **Further information**

Hazchem Code:3YE IERG Number:14

# Sea transport

IM	DG	
•	I number or ID number: I proper shipping name:	UN 1263 PAINT
Tra	ansport hazard class(es): cking group:	3
	vironmental hazards:	no
Sp use	ecial precautions for er:	Marine pollutant: NO EmS: F-E; <u>S-E</u>

#### 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	None known
user:	

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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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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)

# 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:

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BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M1430 1L Basecoat** 

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Pictogram:	
Signal Word: Danger	
Hazard Statement: H225 H316 H319 H333 H335 H336 H351 H402	Highly flammable liquid and vapour. Causes mild skin irritation. Causes serious eye irritation. May be harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Harmful to aquatic life.
Precautionary Stateme	
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 P240	Keep container tightly closed. 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 Stateme	nts (Response):
P312	Call a POISÓN 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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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:		

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): >= 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): >= 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

xylene

Content (W/W): >= 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

STOT SE: Cat. 3 (drowsiness and dizziness) STOT SE: Cat. 3 (irr. to respiratory syst.)

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ethylbenzene

Content (W/W): >= 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

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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 diposal 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

## <u>Handling</u>

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 eyerinsing 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.

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## 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid red ketone-like	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined 119 °C	(calculated)
0		· · · ·
Flash point:	19 °C	(ISO 3679)

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

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#### BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M1430 1L Basecoat**

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Lower explosion limit: Ignition temperature:	36 g/m3 > 200.00 ℃	
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/cm3 (20 °C)	
Relative vapour density (	· · · · ·	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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 d

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.

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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.

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## **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:

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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 (H2O): 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, nonadapted) 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:	П
Environmental hazards:	no

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Special precautions for None known 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:	1
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for	EmS: F-E; <u>S-E</u>

Special precautions for user:

# Air transport

UN number or ID number: UN proper shipping name: Transport hazard class(es):	UN 1263 PAINT 3
Packing group:	5 
Environmental hazards: Special precautions for	No Mark as dangerous for the environment is needed None known
user:	

## **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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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)

## 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

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BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M1511 1L Basecoat** 

(52335846/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

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 Statemen	
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 Statemen	
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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ts (Storage):
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
ts (Disposal):
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

tate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
ntan-2-one Content (W/W): >= 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

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	(52335846/SDS_GEN_NZ/EN)
	Date of print: 18.04.2023
Content (W/W): >= 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): >= 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): >= 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.

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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.

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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 diposal 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid blue 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	21.50 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.923 g/cm3	
Relative vapour density (	(20 °C) (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 mm2/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

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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.

#### 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)

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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 (H2O): 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, nonadapted) 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.

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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.

No Mark as dangerous for the environment is needed

## **14. Transport Information**

<b>Domestic transport:</b> UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group:	UN 1263 PAINT 3 II

None known

Environmental hazards: Special precautions for

user:

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## **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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## 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

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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 Statemen	
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 Statemen	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove
<b>D</b> 212	contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352 P370 + P378	IF ON SKIN: Wash with plenty of soap and water.
	In case of fire: Use water spray for extinction. Take off contaminated clothing and wash it before reuse.
P362 + P364	If skin irritation occurs: Get medical attention.
P332 + P313	
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 Statement	ts (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 Statement	ts (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

tate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
ntan-2-one Content (W/W): >= 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

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·	(53404008/SDS_GEN_NZ/EN)
	Date of print: 18.04.2023
Content (W/W): >= 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): >= 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-lsodecyloxypropylamino)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

## 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.

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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 diposal 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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid blue No data available.	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined > 100 °C	(calculated)
Flash point:	21 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: not fire-propagating	
Vapour pressure:	21.50 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.917 g/cm3	
Relative vapour density	(20 °C) (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 mm2/s	
<b>,</b>	(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

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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.

#### 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)

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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 (H2O): 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, nonadapted) 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.

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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.

No Mark as dangerous for the environment is needed

## **14. Transport Information**

<b>Domestic transport:</b> UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group:	UN 1263 PAINT 3 II

None known

Environmental hazards:

Special precautions for

user:

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#### **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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Date of plint. 10.04.202.

## 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:

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Pictogram:			
Signal Word: Danger			
Hazard Statement:			
H225	Highly flammable liquid and vapour.		
H315 H319	Causes skin irritation. 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 Stateme	nts (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 P233	Take action to prevent static discharges.		
P233 P240	Keep container tightly closed. Ground and bond container and receiving equipment.		
P240 P202	Do not handle until all safety precautions have been read and		
1 202	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		
D040	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 P362 + P364	In case of fire: Use water spray for extinction. Take off contaminated clothing and wash it before reuse.		
P302 + P304 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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.	
Precautionary Statemen	its (Disposal):	
P501	Dispose of contents and container to hazardous or special waste collection point.	
Other bezards which do not result in classification:		

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 ace	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylpe	entan-2-one Content (W/W): >= 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): >= 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

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ethylbenzene

Content (W/W): >= 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

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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 diposal 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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid blue No data available.	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
anast of hailing.	not determined	(a a la ulata d)
onset of boiling:	119 °C	(calculated)
Flash point:	20 °C	(ISO 3679)

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

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Lower explosion limit: Ignition temperature:	36 g/m3 > 200.00 ℃	
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: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	immiscible	
Partitioning coefficient n-		
Viscosity, kinematic:	305.0 mm2/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 exothermal reactions.

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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

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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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no

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Special precautions for user:	Marine pollutant: NO EmS: F-E; <u>S-E</u>	
<b>Air transport</b> IATA/ICAO		
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group:	UN 1263 PAINT 3 II	

None known

## 15. Regulatory Information

Environmental hazards: Special precautions for

user:

#### **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.

No Mark as dangerous for the environment is needed

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.



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## 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)

## 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:

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Pictogram:		
Signal Word: Danger		
Hazard Statement:		
H225	Highly flammable liquid and vapour.	
H315 H319	Causes skin irritation. 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 Stateme	nts (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 Statemer		
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.	
D204 + D240	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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.	
Precautionary Statemen	ts (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 ace	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylpe	entan-2-one Content (W/W): >= 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): >= 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

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#### ethylbenzene

Content (W/W): >= 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): >= 0.3 % - < 0.5 % Skin Sens.: Cat. 1B CAS Number: 28654-73-1

#### 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, 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 diposal 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

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of vapour and spray mist. The workplace should be equipped with an emergency shower and eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

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TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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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pH value:	substance/mixture is non- polar/aprotic	
Melting point:		
onset of boiling:	not determined	
g.	not determined	
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:	No decomposition if stored and	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive : 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/cm3 (20 °C)	
Relative vapour density (	air): Heavier than air.	
Miscibility with water:		
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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 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:

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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

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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 (H2O): 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, nonadapted) 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

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Environmental hazards:	no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no Marine pollutant: NO
Special precautions for user:	EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed None known

## 15. Regulatory Information

#### Other regulations

user:

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.

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-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)

## 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

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BASF Safety data sheet Date / Revised: 12.04.2023 Product: **35-M1541 3,5L Basecoat** 

(50471272/SDS\_GEN\_NZ/EN) Date of print: 13.04.2023

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 Statemen	
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 Statemen	
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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ts (Storage):
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
ts (Disposal):
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

tate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
ntan-2-one Content (W/W): >= 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

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BASF Safety data sheet Date / Revised: 12.04.2023 Product: <b>35-M1541 3,5L Basecoat</b>	Version: 3.0
Ploudet. 33-WI1341 3,3L Basecoat	(50471272/SDS_GEN_NZ/EN)
	Date of print: 13.04.2023
Content (W/W): >= 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): >= 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): >= 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 diposal according with the waste

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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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 40 ppm (OEL (NZ)) Skin Designation (OEL (NZ)) Skin absorption can be significant.

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

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STEL value 75 ppm (ACGIHTLV) TWA value 20 ppm (ACGIHTLV) TWA value 205 mg/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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

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: Colour: Odour:	liquid blue 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C		
Thermal decomposition: Self heating ability:	No decomposition if stored and handled as prescribed/indicated. 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/cm3 (20 °C)		

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Relative vapour density	(air): Heavier than air.	
Miscibility with water:	1	
Partitioning coefficient n	immiscible -octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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

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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.

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.

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## 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 (H2O): 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, nonadapted)

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, nonadapted) 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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(50471272/SDS\_GEN\_NZ/EN) Date of print: 13.04.2023

## **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:	П
Environmental hazards:	no
Special precautions for	None known
user:	

#### **Further information**

Hazchem Code:3YE IERG Number:14

## Sea transport

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

#### Air transport IATA/ICAO

UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	II No Mark as dangerous for the environment is needed
Special precautions for	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.

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)

## 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:

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(50715918/SDS\_GEN\_NZ/EN) Date of print: 14.02.2024

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 H412	May cause damage to organs through prolonged or repeated exposure.	
H41Z	Harmful to aquatic life with long lasting effects.	
Precautionary Stateme	nts (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 Stateme	nto (Pooponeo):	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove	
F 303 + F 331 + F 336	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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(50715918/SDS\_GEN\_NZ/EN)

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P403 + P233 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.	
Precautionary Statemen P501	ts (Disposal): 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

	<u> </u>	
n-Butyl ac	cetate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	entan-2-one Content (W/W): >= 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): >= 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

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ethylbenz	ene Content (W/W): >= 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
cyclohexa	ne Content (W/W): >= 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).

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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

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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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

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n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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## 9. Physical and Chemical Properties

Form: Colour: Odour:	liquid blue of hydrocarbons	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:	a at elatermain a d	
onset of boiling:	not determined 114 °C	(calculated)
Flash point:	20 °C	(ISO 3679)
Flammability (solid/gas) Lower explosion limit: Ignition temperature:	<ul> <li>Highly flammable liquid and vapour.</li> <li>36 g/m3</li> <li>&gt; 200 °C</li> </ul>	
Thermal decomposition	No decomposition if stored and	
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting propertie	not explosive es: not fire-propagating	
Vapour pressure:	8.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.928 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	inaniasikla	
Partitioning coefficient n	immiscible -octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	446.8 mm2/s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 65 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

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:

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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.

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#### Mobility

Assessment transport between environmental compartments: No data available.

#### Persistence and degradability

Assessment biodegradation and elimination (H2O): 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, nonadapted)

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, nonadapted) 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

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Transport hazard class(es): Packing group: Environmental hazards:	3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; S-E
user:	Liio. 1 °L, <u>0°L</u>
Air transport IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.

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-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:

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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 Statemer		
P210	Keep away from heat, hot surfaces, sparks, open flames and other	
5	ignition sources. No smoking.	
P280	Wear protective gloves, protective clothing and eye protection or face	
D061	protection.	
P264 P271	Wash contaminated body parts thoroughly after handling. Use only outdoors or in a well-ventilated area.	
P242	Use non-sparking tools.	
P242 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):		
	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		
P308 + P313	If eye irritation persists: Get medical attention. IF exposed or concerned: Get medical attention.	
P306 + P313 P314	Get medical advice/attention if you feel unwell.	
1 314		

Precautionary Statements (Storage):

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P403 + P233 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.	
Precautionary Statemen P501	ts (Disposal): 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 ace	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylpe	entan-2-one Content (W/W): >= 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): >= 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

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ethylbenzene

Content (W/W): >= 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

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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

#### <u>Handling</u>

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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid green 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)
	The second s	

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

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Lower explosion limit: Ignition temperature:	36 g/m3 > 200.00 ℃	
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: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.936 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	immiscible	
Partitioning coefficient n	-octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/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.

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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.

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## **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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II 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): Packing group: Environmental hazards: Special precautions for user:	3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.



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## 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:

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Pictogram:	
Signal Word: Danger	
Hazard Statement:	
H225 H315	Highly flammable liquid and vapour. Causes skin irritation.
H315 H319	Causes skin initiation.
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 Stateme	nts (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
P264	protection. 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 Statemer	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove
D240	contact lenses, if present and easy to do. Continue rinsing.
P312 P302 + P352	Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water.
P302 + P352 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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Precautionary Statemer	its (Disposal):
P501	Dispose of contents and container to hazardous or special waste collection point.
Other hazarda which do	not result in classification:

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): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3

4-methylp	entan-2-one Content (W/W): >= 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): >= 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

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ethylbenzene

Content (W/W): >= 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

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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 diposal 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

#### <u>Handling</u>

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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid green 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: Ignition temperature:	36 g/m3 > 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: Fire promoting propertie	not explosive s: not fire-propagating	
Vapour pressure:	8.40 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	0.949 g/cm3 (20 °C)	
Relative vapour density		
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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.

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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.

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# **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 (H2O): 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, nonadapted) 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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards:	UN 1263 PAINT 3 II no
Special precautions for user:	None known
Further information Hazchem Code:3YE IERG Number:14	
<b>Sea transport</b> IMDG	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>

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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	None known
user:	

# **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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# 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)

# 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:

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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 H351	May cause drowsiness or dizziness. Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.
Precautionary Stateme P210	Keep away from heat, hot surfaces, sparks, open flames and other
FZIU	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
DOCO	understood.
P260 P273	Do not breathe dust or mist. Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P201	Obtain special instructions before use.
1 201	
Precautionary Stateme	
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.
P304 + P340	Rinse skin with water or shower. IF INHALED: Remove person to fresh air and keep comfortable for
F 304 T F 340	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 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3

#### xylene

	Content (W/W): >= 12.5 % - < 15 % 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
4-methylp	entan-2-one Content (W/W): >= 10 % - < 12.5 %	Asp. Tox.: Cat. 2 Flam. Liq.: Cat. 2
	CAS Number: 108-10-1	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): >= 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): >= 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): >= 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 diposal 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

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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 eyerinsing 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2; TWA value 20 ppm (ACGIHTLV) TWA value 121 mg/m3 ; 25 ppm (OEL (NZ)) Skin Designation (OEL (NZ)) Skin absorption can be significant.

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STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour:	liquid black 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): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 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: Fire promoting properties	not explosive s: 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/cm3 (20 °C)	
Relative vapour density (		
Miscibility with water:	imminally	
Partitioning coefficient n-	immiscible octanol/water (log Pow): not applicable for mixtures	
Viscosity, kinematic:	411.6 mm2/s (20 °C)	
	(40 °C) not determined	

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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

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.

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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: 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 (H2O): 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, nonadapted) 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:	П
Environmental hazards:	no

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Special precautions for None known 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:	1
Environmental hazards:	no
	Marine pollutant: NO
Special precautions for	EmS: F-E; <u>S-E</u>

Special precautions for user:

# Air transport

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

# **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.

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-M1920 1L Basecoat** 

Version: 5.0

(53223754/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

Date of print. 10.04.202.

# 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)

# 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:

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BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M1920 1L Basecoat** 

(53223754/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

Pictogram:			
Signal Word: Danger			
Hazard Statement: H225	Lighty flowmobile liquid and vonour		
H225 H315	Highly flammable liquid and vapour. 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 Stateme	nts (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 P243	Use explosion-proof electrical, ventilating and lighting equipment. Take action to prevent static discharges.		
P243 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		
10001100111000	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	breathing. 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: 18.04.2023

P403 + P233 P403 + P235 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. 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 ace	etate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylpe	entan-2-one Content (W/W): >= 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): >= 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

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ethylbenzene

Content (W/W): >= 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

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BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M1920 1L Basecoat** 

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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 diposal 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

# <u>Handling</u>

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 eyerinsing 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.

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#### 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/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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.

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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: Colour: Odour:	liquid black 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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#### BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M1920 1L Basecoat**

Version: 5.0

(53223754/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

Lower explosion limit: Ignition temperature:	36 g/m3 > 200.00 ℃	
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/cm3 (20 °C)	
Relative vapour density (	· · · · ·	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow): not applicable for mixtures		
Viscosity, kinematic:	411.6 mm2/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 in prescribed/indicate

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.

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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

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(53223754/SDS\_GEN\_NZ/EN) Date of print: 18.04.2023

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 (H2O): 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, nonadapted) 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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BASF Safety data sheet Date / Revised: 16.04.2023 Product: **35-M1920 1L Basecoat** 

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UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.

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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-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:

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BASF Safety data sheet Date / Revised: 01.01.2024 Product: **35-M1990 0,5L Basecoat** 

(53404485/SDS\_GEN\_NZ/EN) Date of print: 03.01.2024

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 Stateme	
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 Stateme	nts (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 Stateme	nts (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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(53404485/SDS\_GEN\_NZ/EN)

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

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Substance nature: mixture

cellulose ester, organic solvent, pigment, saturated polyester resin

#### **Hazardous ingredients**

n-Butyl ac	cetate Content (W/W): >= 30 % - < 50 % CAS Number: 123-86-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 3
4-methylp	bentan-2-one Content (W/W): >= 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): >= 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

o-xylene

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Content (W/W): >= 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): >= 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): >= 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

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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 eyerinsing 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/m3 ; 50 ppm (OEL (NZ))

ethylbenzene, 100-41-4;

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TWA value 20 ppm (ACGIHTLV) TWA value 88 mg/m3 ; 20 ppm (OEL (NZ)) STEL value 176 mg/m3 ; 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/m3 ; 50 ppm (OEL (NZ)) STEL value 307 mg/m3 ; 75 ppm (OEL (NZ))

cyclohexane, 110-82-7;

TWA value 100 ppm (ACGIHTLV) TWA value 350 mg/m3 ; 100 ppm (OEL (NZ)) STEL value 1,050 mg/m3 ; 300 ppm (OEL (NZ))

n-Butyl acetate, 123-86-4;

STEL value 150 ppm (ACGIHTLV) TWA value 50 ppm (ACGIHTLV) TWA value 713 mg/m3 ; 150 ppm (OEL (NZ)) STEL value 950 mg/m3 ; 200 ppm (OEL (NZ))

xylene, 1330-20-7;

TWA value 20 ppm (ACGIHTLV) TWA value 217 mg/m3 ; 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: Colour: Odour: Odour threshold:	liquid black ketone-like No data available.	
pH value:	substance/mixture is non- polar/aprotic	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point: Evaporation rate:	21 °C	(ISO 3679)
	No data available.	
Flammability (solid/gas): Lower explosion limit: Ignition temperature:	Highly flammable liquid and vapour. 36 g/m3 > 200.00 °C	
Thermal decomposition:		
Self heating ability:	handled as prescribed/indicated. It is not a material capable of spontaneous heating	
Explosion hazard: Fire promoting properties	not explosive s: 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/cm3 (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 mm2/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.

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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**

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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 (H2O): 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, nonadapted)

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, nonadapted) 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:	11
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 proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II no Marine pollutant: NO EmS: F-E; <u>S-E</u>
<b>Air transport</b> IATA/ICAO	
UN number or ID number: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user:	UN 1263 PAINT 3 II No Mark as dangerous for the environment is needed 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.

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