



# Baslac Safety Data Sheets

# 45 LINE

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# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 16.04.2023  
Product: **45-R45 5L Dilutant**

Version: 5.0

(50394713/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

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

**Product name:**  
**45-R45 5L Dilutant**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
| Skin sensitization: Cat.1A

Label elements and precautionary statement:

Pictogram:



Signal Word:

## Warning

### Hazard Statement:

H317 May cause an allergic skin reaction.

### Precautionary Statements (Prevention):

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves, protective clothing and eye protection or face protection.

### Precautionary Statements (Response):

P333 + P313 If skin irritation or rash occurs: Get medical attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

### Precautionary Statements (Disposal):

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

### Other hazards which do not result in classification:

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

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## 3. Composition/information on ingredients

### Chemical nature

Substance nature: mixture

Water

### Hazardous ingredients

#### 2-methylisothiazolinone

Content (W/W): > 0 % - < 0.1 %  
CAS Number: 2682-20-4

Acute Tox.: Cat. 2 (Inhalation - dust)  
Acute Tox.: Cat. 2 (Inhalation - vapour)  
Acute Tox.: Cat. 3 (oral)  
Acute Tox.: Cat. 3 (dermal)  
Eye Dam./Irrit.: Cat. 1  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
Skin Corr./Irrit.: Cat. 1B  
Skin Sens.: Cat. 1A  
M-factor acute: 10

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## 4. First-Aid Measures

### General advice:

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

person from danger area. 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:**

If symptoms persist, seek medical advice. Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution.

**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: allergic 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:**

Hazardous decomposition products formed under fire conditions.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

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## 6. Accidental Release Measures

**Personal precautions:**

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

Environmental precautions:

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

Methods for cleaning up or taking up:

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

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## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

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 NOVOCAN S-G 500, Stove-lacquer C222A/C221A, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2)

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. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 40.00 °C

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## 8. Exposure controls and personal protection

Components with occupational exposure limits

No occupational exposure limits known.

Biological Exposure Indices:

No data available.

#### Personal protective equipment

##### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. 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:

chemical-resistant disposable coveralls

##### General safety and hygiene measures:

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

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	colourless
Odour:	amine-like
pH value:	9.0 - 11.0

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Melting point:	not determined
onset of boiling:	not determined
Flash point:	not applicable, The product has not been tested. The statement has been derived from the properties of the individual components.
Flammability (solid/gas):	not applicable
Lower explosion limit:	not applicable
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1.009 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	Lighter than air.
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	6.0 mm <sup>2</sup> /s (20 °C)
	(40 °C) not determined
Flow time:	< 30 s (DIN EN ISO 2431; 3 mm)

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## 10. Stability and Reactivity

Conditions to avoid:  
Avoid direct sunlight. 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:  
No hazardous reactions when stored and handled according to instructions.

No hazardous decomposition products if stored and handled as prescribed/indicated.

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

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

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

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

#### Symptoms

allergic 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.

#### Irritation

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

#### Respiratory/Skin sensitization

Assessment of sensitization:  
Sensitization after skin contact possible.

#### 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)**

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

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
No data available concerning biodegradation and elimination.

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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## **13. Disposal Considerations**

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

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

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## 14. Transport Information

### Domestic transport:

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### Sea transport

#### IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
	Marine pollutant: no
Special precautions for user	None known

### Air transport

#### IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
Proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

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## 15. Regulatory Information

### Other regulations

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002670

Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2017

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## 16. Other Information

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

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

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

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 12.04.2023

Product: **45-W00 5L Basecoat Converter water**

Version: 6.0

(50393402/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

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

### Product name:

**45-W00 5L Basecoat Converter water**

Use: Basecoat product

#### Manufacturer/supplier:

BASF New Zealand Ltd.

5E City Works Depot

77 Cook Street

Auckland Central, Auckland 1010

NEW ZEALAND

Telephone: +64 9 255-4300

Telefax number: +64 9 255-4307

#### Emergency information:

National Poisons Centre: 0800 764 766

BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)

BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:

Skin sensitization: Cat.1A

| Hazardous to the aquatic environment - acute: Cat.3

Flammable liquids: Cat.4

Label elements and precautionary statement:

Pictogram:



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Signal Word:  
Warning

Hazard Statement:  
H227 Combustible liquid.  
H317 May cause an allergic skin reaction.  
H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing and eye protection or face protection.  
P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

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.  
P333 + P313 If skin irritation or rash occurs: Get medical attention.

Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

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

Other hazards which do not result in classification:

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

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### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

Water, polyurethane

#### **Hazardous ingredients**

polypropylene glycol

Content (W/W):  $\geq 3\%$  -  $< 5\%$

CAS Number: 25322-69-4

Acute Tox.: Cat. 5 (oral)

| 1,2-benzisothiazol-3(2H)-one

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Content (W/W): > 0 % - < 0.1 %  
CAS Number: 2634-33-5

Acute Tox.: Cat. 4 (oral)  
Skin Corr./Irrit.: Cat. 2  
Eye Dam./Irrit.: Cat. 1  
Skin Sens.: Cat. 1  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
M-factor acute: 1  
M-factor chronic: 1

2-methylisothiazolinone

Content (W/W): > 0 % - < 0.1 %  
CAS Number: 2682-20-4

Acute Tox.: Cat. 2 (Inhalation - dust)  
Acute Tox.: Cat. 2 (Inhalation - vapour)  
Acute Tox.: Cat. 3 (oral)  
Acute Tox.: Cat. 3 (dermal)  
Eye Dam./Irrit.: Cat. 1  
Aquatic Acute: Cat. 1  
Aquatic Chronic: Cat. 1  
Skin Corr./Irrit.: Cat. 1B  
Skin Sens.: Cat. 1A  
M-factor acute: 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. 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:

If symptoms persist, seek medical advice. Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution.

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: allergic 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:

Hazardous decomposition products formed under fire conditions.

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. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

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

Environmental precautions:

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

Methods for cleaning up or taking up:

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

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## 7. Handling and Storage

Handling

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

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

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

### 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), Stainless steel 1.4301 (V2)  
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. Store protected against freezing.

Storage stability:

Storage temperature: 5.00 - 40.00 °C

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

No occupational exposure limits known.

Biological Exposure Indices:

No data available.

### 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

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:

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

Body protection:

chemical-resistant disposable coveralls

General safety and hygiene measures:

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

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	colourless
Odour:	of glycol
pH value:	7.0 - 9.0
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 70 °C (ISO 3679)
Flammability (solid/gas):	Combustible liquid.
Lower explosion limit:	not applicable
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined

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	(50 °C) not determined	
Density:	1.013 g/cm <sup>3</sup> (20 °C)	
Relative density:	1.013	
Relative vapour density (air):	Lighter than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	14.9 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	44 s	(DIN EN ISO 2431; 3 mm)

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## 10. Stability and Reactivity

Conditions to avoid:  
Avoid direct sunlight. 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:  
No hazardous reactions when stored and handled according to instructions.

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**

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

### **Symptoms**

allergic 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.

### **Irritation**

Assessment of irritating effects:

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

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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

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

Assessment of repeated dose toxicity:

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

### **Aspiration hazard**

No aspiration hazard expected.

---

## 12. Ecological Information

### Ecotoxicity

Assessment of aquatic toxicity:

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

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

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

No data available concerning biodegradation and elimination.

### 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:

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable

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Date / Revised: 12.04.2023  
Product: **45-W00 5L Basecoat Converter water**

Version: 6.0

(50393402/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
	Marine pollutant: no
Special precautions for user	None known

### **Air transport**

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
Proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002657  
Surface Coatings and Colourants (Combustible) 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.

---

BASF Safety data sheet

Date / Revised: 12.04.2023

Product: **45-W00 5L Basecoat Converter water**

Version: 6.0

(50393402/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.02.2024  
Product: **45-W05 1L Effect Additive**

Version: 7.0

(50393060/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

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

**Product name:**  
45-W05 1L Effect Additive

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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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

organic solvent, polyurethane

### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

propylene glycol monoethyl ether

Content (W/W): $\geq 3\%$ - $< 5\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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.

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

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

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

#### Environmental precautions:

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

#### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

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

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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.  
butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

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

Body protection:

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 glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.928 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

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

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

### Substances to avoid:

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

### Hazardous reactions:

Vapours may form ignitable mixture with air.

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

### Chemical stability:

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

### Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

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

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:  
LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)  
-----

### **Symptoms**

allergic symptoms skin irritation Information, i.e. additional information on 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:  
Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### 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



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Product: **45-W05 1L Effect Additive**

Version: 7.0

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Date of print: 02.02.2024

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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

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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BASF Safety data sheet  
Date / Revised: 01.02.2024  
Product: **45-W05 1L Effect Additive**

Version: 7.0

(50393060/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

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.

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

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W10 0,5L 3-Coat Additive**

Version: 6.0

(50392479/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

### 45-W10 0,5L 3-Coat Additive

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

Skin sensitization: Cat. 1A

Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash 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.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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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Version: 6.0

(50392479/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

Substance nature: mixture

Water, organic solvent, polyurethane

Hazardous ingredients

butan-2-ol

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 78-92-2

Flam. Liq.: Cat. 3  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

2-dimethylaminoethanol

Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$   
 CAS Number: 108-01-0

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 3 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

2-butoxyethanol

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 111-76-2

Flam. Liq.: Cat. 4  
 Eye Dam./Irrit.: Cat. 2A  
 Acute Tox.: Cat. 4 (oral)  
 Skin Corr./Irrit.: Cat. 2

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
 CAS Number: 126-86-3

Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

| 2-methylisothiazolinone

Content (W/W):  $> 0\%$  -  $< 0.1\%$   
 CAS Number: 2682-20-4

Acute Tox.: Cat. 2 (Inhalation - dust)  
 Acute Tox.: Cat. 2 (Inhalation - vapour)  
 Acute Tox.: Cat. 3 (oral)  
 Acute Tox.: Cat. 3 (dermal)  
 Eye Dam./Irrit.: Cat. 1  
 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 Skin Corr./Irrit.: Cat. 1B  
 Skin Sens.: Cat. 1A  
 M-factor acute: 10

polypropylene glycol

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$  Acute Tox.: Cat. 5 (oral)  
CAS Number: 25322-69-4

---

## 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, allergic symptoms, skin irritation, Information, i.e. additional information on 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:

Hazardous decomposition products formed under fire conditions.

### Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

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

---

## 6. Accidental Release Measures

Personal precautions:

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

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

Protection against fire and explosion:

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

### Storage

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

(50392479/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

Suitable materials for containers: Stove-lacquer RDL 50, Stove-lacquer R 78433, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer EHD0022, Stove-lacquer NOVOCAN S-G 500, Stove-lacquer C222A/C221A, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2), 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. Store protected against freezing.

Storage stability:  
Storage temperature: 5.00 - 40.00 °C

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

- butan-2-ol, 78-92-2;  
TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))
- 2-dimethylaminoethanol, 108-01-0;  
TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))
- 2-butoxyethanol, 111-76-2;  
TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

### 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.  
butyl rubber gloves - material thickness: 0.5 mm



**Eye protection:**

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

**Body protection:**

chemical-resistant disposable coveralls, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

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

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	colourless	
Odour:	of glycol	
pH value:	6.0 - 9.0	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	60 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.000 g/cm <sup>3</sup> (20 °C)	

BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W10 0,5L 3-Coat Additive**

Version: 6.0

(50392479/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

Miscibility with water:	miscible	
Viscosity, kinematic:	(40 °C) not determined 107.1 mm <sup>2</sup> /s (20 °C)	
Flow time:	80 s	(DIN EN ISO 2431; 4 mm)

## 10. Stability and Reactivity

Conditions to avoid:  
Avoid direct sunlight. Avoid freezing.

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

Hazardous reactions:  
No hazardous reactions when stored and handled according to instructions.

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:  
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: 2-dimethylaminoethanol  
Experimental/calculated data:  
LD50 rat (oral): 1,183 mg/kg (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.

## **Irritation**

Assessment of irritating effects:

Eye contact causes irritation. Skin contact causes slight irritation.

## **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

## **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:

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

## **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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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: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

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

### Air transport

#### IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

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## 15. Regulatory Information

### Other regulations

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

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

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

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W210 0,5L Basecoat**

Version: 4.0

(50389535/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

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

**Product name:**  
**45-W210 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Skin sensitization: Cat.1B  
Hazardous to the aquatic environment - chronic: Cat.3  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

| propylene glycol monoethyl ether

Content (W/W): $\geq 5\%$ - $< 7\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

Naphtha, hydrotreated heavy, Flashpoint  $\geq 55^{\circ}\text{C}$

Content (W/W): $\geq 3\%$ - $< 5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-48-9	Flam. Liq.: Cat. 4
	Acute Tox.: Cat. 5 (dermal)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

| Solventnaphtha (petroleum), light aromatic

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-95-6	Flam. Liq.: Cat. 3
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Chronic: Cat. 2

2-dimethylaminoethanol

BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W210 0,5L Basecoat**

Version: 4.0

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Date of print: 27.03.2024

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

---

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

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

Special protective equipment:  
Appropriate breathing apparatus may be required.

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

---

## 6. Accidental Release Measures

### Personal precautions:

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

### Environmental precautions:

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

### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

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

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

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 Product: **45-W210 0,5L Basecoat**

Version: 4.0

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Date of print: 27.03.2024

**Eye protection:**

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

**Body protection:**

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

**General safety and hygiene measures:**

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

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	silver colours	
Odour:	of glycol	
pH value:	6.0 - 9.0	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 40 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C)	not determined
	(50 °C)	not determined
Density:	1.106 g/cm <sup>3</sup>	(20 °C)

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

---

## 10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### **Symptoms**

Eye irritation allergic symptoms skin irritation Information, i.e. additional information on 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:

Eye contact causes irritation. Skin contact causes irritation.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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

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

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.



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---

## 13. Disposal Considerations

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

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

---

## 14. Transport Information

### Domestic transport:

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

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

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

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

### Air transport

#### IATA/ICAO

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

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### **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 HSR002662  
Surface Coatings and Colourants (Flammable) 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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Date / Revised: 01.02.2024  
Product: **45-W211 0,5L Basecoat**

Version: 8.0

(50389204/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

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

**Product name:**  
**45-W211 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

| propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

Naphtha, hydrotreated heavy, Flashpoint  $\geq 55^{\circ}\text{C}$

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-48-9	Flam. Liq.: Cat. 4
	Acute Tox.: Cat. 5 (dermal)

| Solventnaphtha (petroleum), light aromatic

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

2-dimethylaminoethanol

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Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

Special protective equipment:  
Appropriate breathing apparatus may be required.

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

---

## 6. Accidental Release Measures

### Personal precautions:

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

### Environmental precautions:

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

### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

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

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm



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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:**

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

**General safety and hygiene measures:**

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

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	silver colours	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	36 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	

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Density:	1.022 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include

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

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:  
LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:  
LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)  
-----

#### **Symptoms**

allergic symptoms 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:  
Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

#### **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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### **Bioaccumulation potential**

Bioaccumulation potential:

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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 user: EmS: F-E; S-E

#### Air transport

IATA/ICAO

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

**Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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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Date / Revised: 25.03.2024  
Product: **45-W212 0,5L Basecoat**

Version: 4.0

(50391618/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

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

**Product name:**  
**45-W212 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  
Skin sensitization: Cat.1B  
| Hazardous to the aquatic environment - chronic: Cat.3  
| Flammable liquids: Cat.3  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash 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.

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:



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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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

| propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

Naphtha, hydrotreated heavy, Flashpoint  $< 55^{\circ}\text{C}$

Content (W/W): $\geq 3\%$ - $< 5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-48-9	Flam. Liq.: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

| Solventnaphtha (petroleum), light aromatic

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

2-dimethylaminoethanol

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Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

---

## 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, allergic symptoms, 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.  
Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

Special protective equipment:  
Appropriate breathing apparatus may be required.

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

---

## 6. Accidental Release Measures

### Personal precautions:

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

### Environmental precautions:

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

### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Naphtha, hydrotreated heavy, Flashpoint <55°C, 64742-48-9;

TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

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

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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

General safety and hygiene measures:

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

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	silver colours
Odour:	of glycol
pH value:	6.0 - 9.0
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 39 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined

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	(50 °C)	
	not determined	
Density:	1.073 g/cm <sup>3</sup>	
	(20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s	
	(23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)
	(23 °C)	

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## 10. Stability and Reactivity

Conditions to avoid:

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

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 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:

Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
-----

### **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 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

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

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

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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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Version: 5.0

(50390263/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

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

**Product name:**  
**45-W213 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  
Skin sensitization: Cat.1B  
| Hazardous to the aquatic environment - chronic: Cat.3  
| Flammable liquids: Cat.3  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

##### 2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### | propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### Naphtha, hydrotreated heavy, Flashpoint $< 55^{\circ}\text{C}$

Content (W/W): $\geq 3\%$ - $< 5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-48-9	Flam. Liq.: Cat. 3

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### | Solventnaphtha (petroleum), light aromatic

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

##### 2-dimethylaminoethanol

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Date of print: 26.03.2024

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

---

## 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, allergic symptoms, 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.  
Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

Special protective equipment:  
Appropriate breathing apparatus may be required.

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

---

## 6. Accidental Release Measures

### Personal precautions:

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

### Environmental precautions:

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

### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Naphtha, hydrotreated heavy, Flashpoint <55°C, 64742-48-9;

TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

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

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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

General safety and hygiene measures:

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

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	silver colours
Odour:	of glycol
pH value:	6.0 - 9.0
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 39 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined

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	(50 °C)	
	not determined	
Density:	1.063 g/cm <sup>3</sup>	
	(20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	(40 °C)	
	No data available.	
	411.6 mm <sup>2</sup> /s	
	(23 °C)	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)
	(23 °C)	

---

## 10. Stability and Reactivity

Conditions to avoid:

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

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 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:

Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
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### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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## **13. Disposal Considerations**

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

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

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## 14. Transport Information

### Domestic transport:

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

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

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

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

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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

Tracking requirements do not apply to this substance.

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

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## 16. Other Information

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

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

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

# Safety data sheet

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Product: **45-W214 0,5L Basecoat**

Version: 8.0

(50386532/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

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

**Product name:**  
**45-W214 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

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

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

##### 2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### | propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### Naphtha, hydrotreated heavy, Flashpoint $< 55^{\circ}\text{C}$

Content (W/W): $\geq 3\%$ - $< 5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-48-9	Flam. Liq.: Cat. 3

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### | Solventnaphtha (petroleum), light aromatic

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-95-6	Flam. Liq.: Cat. 3
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Chronic: Cat. 2

##### 2-dimethylaminoethanol

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Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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, allergic symptoms, 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.  
Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

Special protective equipment:  
Appropriate breathing apparatus may be required.

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

---

## 6. Accidental Release Measures

### Personal precautions:

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

### Environmental precautions:

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

### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

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

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Naphtha, hydrotreated heavy, Flashpoint <55°C, 64742-48-9;

TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

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

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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

General safety and hygiene measures:

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

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	silver colours
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	36 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined

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	(50 °C) not determined	
Density:	1.106 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

---

## 11. Toxicological Information

**Routes of exposure**

**Assessment of acute toxicity**

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

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

### **Symptoms**

Eye irritation allergic symptoms dazed state 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:

Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
-----

### **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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Date / Revised: 01.02.2024  
Product: **45-W214 0,5L Basecoat**

Version: 8.0

(50386532/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

## 14. Transport Information

### Domestic transport:

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

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

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

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

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

## 15. Regulatory Information

### Other regulations

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

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

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

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 20.06.2021  
Product: **45-W216 0,5L Basecoat**

Version: 3.1

(50386653/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

### 45-W216 0,5L Basecoat

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:

Acute toxicity: Cat. 4 (oral)  
Acute toxicity: Cat. 5 (dermal)  
Skin corrosion/irritation: Cat. 2  
Serious eye damage/eye irritation: Cat. 2A  
Skin sensitization: Cat. 1B  
Flammable liquids: Cat. 3  
Acute toxicity: Cat. 5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H313	May be harmful in contact with skin.
H333	May be harmful if inhaled.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H226	Flammable liquid and vapour.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P330	Rinse mouth
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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**

organic solvent, pigment, polyurethane

**Hazardous ingredients****butan-2-ol**

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

**2-dimethylaminoethanol**

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

**2-butoxyethanol**

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

**2,4,7,9-Tetramethyldec-5-yne-4,7-diol**

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

**Naphtha, hydrotreated heavy, Flashpoint  $< 55^{\circ}\text{C}$** 

Content (W/W): $\geq 3\%$ - $< 5\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-48-9	Flam. Liq.: 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:

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

### Note to physician:

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

### Special protective equipment:

Appropriate breathing apparatus may be required.

### Further information:

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

---

## 6. Accidental Release Measures

### Personal precautions:

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

### Environmental precautions:

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

### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: Stainless steel 1.4301 (V2), 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Naphtha, hydrotreated heavy, Flashpoint <55°C, 64742-48-9;

TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with 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



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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:	metallic	
Odour:	specific	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 36 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.075 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	(40 °C) not determined 411.6 mm <sup>2</sup> /s (20 °C)	
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:

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 moderate toxicity after single ingestion. Of low toxicity after short-term skin contact.

Information on: 2-dimethylaminoethanol

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

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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.

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### Irritation

Assessment of irritating effects:  
Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

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

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available Data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

## 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.

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## 14. Transport Information

### Domestic transport:

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

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**Further information**

Hazchem Code:3Y  
IERG Number:14

**Sea transport**

IMDG

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

**Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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**16. Other Information**

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

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Date of print 06.06.2022

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

# Safety data sheet

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Date / Revised: 02.01.2019  
Product: **45-W217 0,5L Basecoat CN**

Version: 3.0

(50476524/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

### 45-W217 0,5L Basecoat CN

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:

Acute toxicity: Cat. 4 (oral)

Acute toxicity: Cat. 5 (dermal)

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Skin sensitization: Cat. 1B

Hazardous to the aquatic environment - acute: Cat. 3

Hazardous to the aquatic environment - chronic: Cat. 3

Flammable liquids: Cat. 3

Specific target organ toxicity — repeated exposure: Cat. 2

Acute toxicity: Cat. 5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:

Warning

Hazard Statement:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H313	May be harmful in contact with skin.
H333	May be harmful if inhaled.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
H226	Flammable liquid and vapour.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements (Prevention):

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash with plenty of water and soap thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical/ventilating/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.
P270	Do not eat, drink or smoke when using this product.
P260	Do not breathe dust or mist.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Precautionary Statements (Response):



BASF Safety data sheet  
 Date / Revised: 02.01.2019  
 Product: **45-W217 0,5L Basecoat CN**

Version: 3.0

(50476524/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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 doctor/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.  
 P363 Wash contaminated clothing before reuse.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P321 Specific treatment (see on this label).  
 P330 Rinse mouth.  
 P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304 + P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P337 + P313 If eye irritation persists: Get medical advice/attention.  
 P314 Get medical advice/attention if you feel unwell.

Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary Statements (Disposal):

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

### 3. Composition/information on ingredients

#### Chemical nature

aqueous solution, organic solvent, pigment, polyurethane

#### Hazardous ingredients

butan-2-ol

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$ 

CAS Number: 78-92-2

Flam. Liq.: Cat. 3

Eye Dam./Irrit.: Cat. 2A

STOT SE: Cat. 3 (drowsiness and dizziness)

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

2-dimethylaminoethanol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$ 

CAS Number: 108-01-0

Flam. Liq.: Cat. 3

Acute Tox.: Cat. 3 (Inhalation - vapour)

Acute Tox.: Cat. 4 (oral)

Acute Tox.: Cat. 4 (dermal)

Skin Corr./Irrit.: Cat. 1B

Eye Dam./Irrit.: Cat. 1

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

Aquatic Acute: Cat. 3

2-butoxyethanol

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Content (W/W): $\geq 25\%$ - $< 30\%$ CAS Number: 111-76-2	Flam. Liq.: Cat. 4 Acute Tox.: Cat. 4 (Inhalation - vapour) Acute Tox.: Cat. 4 (oral) Acute Tox.: Cat. 4 (dermal) Skin Corr./Irrit.: Cat. 2 Eye Dam./Irrit.: Cat. 2A
2,4,7,9-Tetramethyldec-5-yne-4,7-diol Content (W/W): $\geq 2.5\%$ - $< 3\%$ CAS Number: 126-86-3	Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1B Aquatic Acute: Cat. 3 Aquatic Chronic: Cat. 3
Solvent naphtha (petroleum), light arom. Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 64742-95-6	Asp. Tox.: Cat. 1 Flam. Liq.: Cat. 1 Skin Corr./Irrit.: Cat. 2 STOT SE: Cat. 3 (drowsiness and dizziness) Aquatic Acute: Cat. 2 Aquatic Chronic: Cat. 2
imidazolinium-derivative Content (W/W): $\geq 0.3\%$ - $< 0.5\%$ CAS Number: 95-38-5	Acute Tox.: Cat. 4 (oral) Eye Dam./Irrit.: Cat. 1 STOT RE: Cat. 2 Aquatic Acute: Cat. 1 Aquatic Chronic: Cat. 1 Skin Corr./Irrit.: Cat. 1B M-factor acute: 10 M-factor chronic: 1
Stoddard Solvent Content (W/W): $\geq 2\%$ - $< 2.5\%$ 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

---

#### 4. First-Aid Measures

##### General advice:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**If inhaled:**

Remove affected person from danger area. Keep warm, calm and covered up. If breathing is irregular or stopped, administer artificial respiration. Seek medical assistance. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

**On skin contact:**

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution. Seek medical assistance.

**On ingestion:**

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

**Note to physician:**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Treatment: No data available.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

Foam (alcohol resistant), carbon dioxide, powders, water spray. Do not allow run-off from fire fighting to enter drains or water courses.

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Due to the organic compound content of the preparation, 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.

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## 6. Accidental Release Measures

**Personal precautions:**

Due to the organic solvents' content of the product, exclude sources of ignition. Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Ensure adequate ventilation. Avoid breathing vapours.

**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.

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.

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## 7. Handling and Storage

### Handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Avoid inhalation of dust from sanding. 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. 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. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. Keep container dry and tightly closed in a cool well-ventilated place. Avoid all sources of ignition: heat, sparks, open flame. Do not use any sparking tools.

Avoid contact with skin and eyes. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist.

### Storage

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

Suitable materials for containers: Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Electrical equipment must be explosion-proof to the appropriate standard. Floors must be of conducting type and impermeable to the materials being stored. Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. Close containers carefully once opened and store upright in order to prevent any leakage. No smoking. Prevent unauthorized access. Detailed information can be gained from the relevant technical data sheets. Always keep in containers of same material as the original one. Observe label precautions. Store in a dry, well ventilated place. Protect from direct sunlight. Keep away from sources of ignition. Keep away from heat.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

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TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Stoddard Solvent, 8052-41-3;

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

#### Personal protective equipment

##### Respiratory protection:

half-mask with A2P2 class combination filter When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet (sanding/ flatting) should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. 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:

The country-specific occupational exposure limits applicable to the substances specified in section 3 must be taken into account. 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.

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	metallic
Odour:	specific
Melting point:	not determined
Boiling point:	not determined
Flash point:	> 36 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1.126 g/cm <sup>3</sup> (20 °C)
Miscibility with water:	miscible
Viscosity, kinematic:	(40 °C) 411.6 mm <sup>2</sup> /s (20 °C)
Flow time:	> 60 s (DIN EN ISO 2431; 6 mm)

## 10. Stability and Reactivity

Conditions to avoid:  
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:**

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

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

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.

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## 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.

Of moderate toxicity after single ingestion. Of low toxicity after short-term skin contact.

**Information on: 2-dimethylaminoethanol****Experimental/calculated data:**

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

**Information on: 2-dimethylaminoethanol****Experimental/calculated data:**

LC50 rat (by inhalation): 6.1 mg/l 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.

### Irritation

**Assessment of irritating effects:**

Eye contact causes irritation. Skin contact causes irritation.

The liquid splashed in the eyes may cause irritation and reversible damage.

### Respiratory/Skin sensitization

**Assessment of sensitization:**

Sensitization after skin contact possible.

### **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:

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

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

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

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

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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



Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: Solvent naphtha (petroleum), light arom.

Elimination information:

77 % BOD of the ThOD (28 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, non-adapted)

96 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (ISO 14593) (aerobic, activated sludge, domestic, adapted)

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **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.

Dispose of in accordance with national, state and local regulations.

---

## **14. Transport Information**

### **Domestic transport:**

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### **Further information**

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Hazchem Code:3Y  
IERG Number:14

**Sea transport**

IMDG

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

**Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

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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.

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017  
HSNO Classification: 3.1C 6.1D 6.1E 6.3A 6.4A 6.5B 6.9B 9.1C

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

Tracking requirements do not apply to this substance.

**Registration status:**

NZIOC, NZ released / listed

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## 16. Other Information

Recommended use: Sprayable

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

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

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

# Safety data sheet

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Date / Revised: 17.05.2022  
Product: **45-W219 0,5L Basecoat**

Version: 5.0

(50389643/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

### 45-W219 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:

Acute toxicity: Cat. 4 (oral)  
Skin corrosion/irritation: Cat. 2  
Serious eye damage/eye irritation: Cat. 1  
Skin sensitization: Cat. 1B  
Flammable liquids: Cat. 3  
Acute toxicity: Cat. 5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P330	Rinse mouth
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

2-butoxyethanol

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

Naphtha, hydrotreated heavy, Flashpoint  $< 55^{\circ}\text{C}$

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Asp. Tox.: Cat. 1
CAS Number: 64742-48-9	Flam. Liq.: 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

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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:**

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

**Note to physician:**

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

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

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## 7. Handling and Storage

### Handling

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

#### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits



butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Naphtha, hydrotreated heavy, Flashpoint <55°C, 64742-48-9;

TWA value 1,600 mg/m<sup>3</sup> ; 400 ppm (OEL (NZ))

#### Personal protective equipment

Respiratory protection:

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

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.  
Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.  
The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).  
Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.  
The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).  
Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.  
nitrile gloves - material thickness: 0,7 mm

Eye protection:

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

Body protection:

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

General safety and hygiene measures:

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

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

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	silver colours	
Odour:	of glycol	
pH value:	7.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	36 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.043 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	(40 °C) not determined 411.6 mm <sup>2</sup> /s (20 °C)	
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:**

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 moderate toxicity after single ingestion.

**Information on: 2-dimethylaminoethanol****Experimental/calculated data:**

LD50 rat (oral): 1,183 mg/kg (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.

### Irritation

**Assessment of irritating effects:**

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:  
Sensitization after skin contact possible.

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

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

## 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: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### Further information

Hazchem Code:3Y  
IERG Number:14

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**Sea transport**

## IMDG

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

**Air transport**

## IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.  
Tracking requirements do not apply to this substance.  
A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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**16. Other Information**

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

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

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

# Safety data sheet

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Product: **45-W220 0,5L Basecoat**

Version: 3.0

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Date of print: 01.04.2024

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

**Product name:**  
**45-W220 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:





Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

inorganic compounds, organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

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

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

Handling

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

Protection against fire and explosion:

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

Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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

General safety and hygiene measures:

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

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	silver colours
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 37 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.134 g/cm <sup>3</sup> (20 °C)
Relative density:	1.134
Relative vapour density (air):	Heavier than air.
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)  (40 °C) No data available.

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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.

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

### Substances to avoid:

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

### Hazardous reactions:

Vapours may form ignitable mixture with air.

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

### Chemical stability:

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

### Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Of low toxicity after single ingestion.

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: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

### **Symptoms**

Eye irritation allergic symptoms skin irritation Information, i.e. additional information on 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:

Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### 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

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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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

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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BASF Safety data sheet  
Date / Revised: 30.03.2024  
Product: **45-W220 0,5L Basecoat**

Version: 3.0

(50526818/SDS\_GEN\_NZ/EN)

Date of print: 01.04.2024

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: 30.03.2024  
Product: **45-W221 0,5L Basecoat**

Version: 3.0

(50527864/SDS\_GEN\_NZ/EN)

Date of print: 01.04.2024

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

**Product name:**  
**45-W221 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

Precautionary Statements (Disposal):

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

Other hazards which do not result in classification:

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

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

inorganic compounds, organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

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

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))



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2-dimethylaminoethanol, 108-01-0;  
TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;  
TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:  
Wear respiratory protection if ventilation is inadequate.

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: 0,35 mm

Eye protection:  
Required when there is a risk of eye contact.

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

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

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: silver colours

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Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 38 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.144 g/cm <sup>3</sup> (20 °C)	
Relative density:	1.144	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

**Conditions to avoid:**

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

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

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

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

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

**Chemical stability:**

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

**Reactivity:**

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Of low toxicity after single ingestion.

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: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

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### **Symptoms**

Eye irritation allergic symptoms skin irritation Information, i.e. additional information on 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:  
Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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

### **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:**

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

**Mobility****Assessment transport between environmental compartments:**

No data available.

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

Biological degradability of hazardous substances mentioned in section 3:

**Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol****Elimination information:**

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

**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

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### **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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## **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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BASF Safety data sheet  
Date / Revised: 12.04.2023  
Product: **45-W301 0,5L Basecoat**

Version: 3.0

(50388884/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

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

**Product name:**  
**45-W301 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:





Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
CAS Number: 111-76-2  
Flam. Liq.: Cat. 4  
Eye Dam./Irrit.: Cat. 2A  
Acute Tox.: Cat. 4 (oral)  
Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
CAS Number: 78-92-2  
Flam. Liq.: Cat. 3  
Eye Dam./Irrit.: Cat. 2A  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 126-86-3  
Eye Dam./Irrit.: Cat. 1  
Skin Sens.: Cat. 1B  
Aquatic Acute: Cat. 3  
Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
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

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

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

#### Environmental precautions:

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

#### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 mm

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

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

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

Eye protection:

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

Body protection:

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

**General safety and hygiene measures:**

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

---

**9. Physical and Chemical Properties**

Form:	liquid
Colour:	white
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 34 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1.142 g/cm <sup>3</sup> (20 °C)
Relative density:	1.142
Relative vapour density (air):	Heavier than air.
Miscibility with water:	miscible

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Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

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

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### **Acute inhalation toxicity**

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.

#### **Symptoms**

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

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< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### Bioaccumulation potential

Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

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

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

---

## 14. Transport Information

### Domestic transport:

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

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

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

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

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**Air transport**

IATA/ICAO

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

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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

Tracking requirements do not apply to this substance.

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

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**16. Other Information**

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

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

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.02.2024  
Product: **45-W302 0,5L Basecoat**

Version: 6.0

(50389644/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

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

**Product name:**  
**45-W302 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

Handling

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

Protection against fire and explosion:

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

Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

Components with occupational exposure limits



butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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

General safety and hygiene measures:

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

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	36 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.114 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

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

### Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

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

### Hazardous reactions:

Vapours may form ignitable mixture with air.

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

### Chemical stability:

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

### Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

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

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

#### Symptoms

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### **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

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### Sea transport

#### IMDG

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

### Air transport

#### IATA/ICAO

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

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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.

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Product: **45-W311 0,5L Basecoat**

Version: 4.0

(50388885/SDS\_GEN\_NZ/EN)

Date of print): 10.01.2023

---

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

**Product name:**  
**45-W311 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:





Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 111-76-2  
 Flam. Liq.: Cat. 4  
 Eye Dam./Irrit.: Cat. 2A  
 Acute Tox.: Cat. 4 (oral)  
 Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
 CAS Number: 78-92-2  
 Flam. Liq.: Cat. 3  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 126-86-3  
 Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
 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

Chromium, tetrachloro- $\mu$ -hydroxy[ $\mu$ -(2-methyl-2-propenoato- $\kappa$ O: $\kappa$ O')]di-

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Content (W/W):  $\geq 0.2\%$  -  $< 0.3\%$  Eye Dam./Irrit.: Cat. 1  
CAS Number: 15096-41-0 Skin Sens.: Cat. 1  
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. 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

### Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

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

---

## 6. Accidental Release Measures

Personal precautions:

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

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### 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.

butyl rubber gloves - material thickness: 0.5 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:	liquid
Colour:	yellow
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 39 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

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Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.134 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

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

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

### Substances to avoid:

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

### Hazardous reactions:

Vapours may form ignitable mixture with air.

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

### Chemical stability:

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

---

## 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: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### **Acute inhalation toxicity**

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.

#### **Symptoms**

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

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Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

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

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3Y

IERG Number:14

### **Sea transport**

IMDG

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

### **Air transport**

IATA/ICAO

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

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## **15. Regulatory Information**

### **Other regulations**

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## **16. Other Information**

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

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

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Date of print): 10.01.2023

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Date / Revised: 25.03.2024  
Product: **45-W331 0,5L Basecoat**

Version: 6.0

(50386438/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

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

**Product name:**  
**45-W331 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.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

### 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on



product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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 glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 36 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.159 g/cm <sup>3</sup> (20 °C)
Relative density:	1.159
Relative vapour density (air):	Heavier than air.
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	(40 °C) No data available. 411.6 mm <sup>2</sup> /s (23 °C)

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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.

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

allergic symptoms 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:  
Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
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## Bioaccumulation potential

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

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

Contaminated packaging:

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

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

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**Sea transport**

## IMDG

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

**Air transport**

## IATA/ICAO

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

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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

Tracking requirements do not apply to this substance.

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

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**16. Other Information**

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

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

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



# Safety data sheet

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Date / Revised: 01.02.2024  
Product: **45-W343 0,5L Basecoat**

Version: 6.0

(50389646/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

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

**Product name:**  
**45-W343 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

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

inorganic compounds, organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

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Date of print: 02.02.2024

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

Special protective equipment:  
Appropriate breathing apparatus may be required.

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

---

## 6. Accidental Release Measures

### Personal precautions:

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

### Environmental precautions:

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

### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

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:**

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 glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	36 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.090 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	Heavier than air.

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Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

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

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

### Substances to avoid:

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

### Hazardous reactions:

Vapours may form ignitable mixture with air.

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

### Chemical stability:

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

### Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

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



some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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

### **Symptoms**

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### 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): 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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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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.

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

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

# Safety data sheet

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Date of print): 10.01.2023

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

**Product name:**  
**45-W351 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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.

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

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



**Environmental precautions:**

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

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

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

---

## 7. Handling and Storage

### Handling

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

**Protection against fire and explosion:**

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

### Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 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.

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#### General safety and hygiene measures:

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

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	blue	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.142 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	

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Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(20 °C)  
(40 °C)  
not determined

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

---

## 10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

---

## 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: 2-dimethylaminoethanol

#### Acute oral toxicity

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Experimental/calculated data:  
LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

**Acute oral toxicity**

Experimental/calculated data:  
LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

**Acute inhalation toxicity**

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.

**Symptoms**

allergic symptoms skin irritation Information, i.e. additional information on 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:  
Skin contact causes irritation. May cause severe damage to the eyes.

**Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

**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)**

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

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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-----  
**Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

---

**13. Disposal Considerations**

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

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

---

**14. Transport Information****Domestic transport:**

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

Special precautions for user: None known

**Further information**

Hazchem Code:3Y  
IERG Number:14

**Sea transport**

IMDG

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

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

**Air transport**

IATA/ICAO

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

BASF Safety data sheet  
Date / Revised: 09.01.2023  
Product: **45-W351 0,5L Basecoat**

Version: 3.0

(50386534/SDS\_GEN\_NZ/EN)

Date of print): 10.01.2023

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

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## **16. Other Information**

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

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

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



# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W352 0,5L Basecoat**

Version: 4.0

(50389616/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

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

**Product name:**  
**45-W352 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.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

### 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: allergic symptoms, 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.

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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

General safety and hygiene measures:

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

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	blue
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 36 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.142 g/cm <sup>3</sup> (20 °C)
Relative density:	1.142
Relative vapour density (air):	Heavier than air.
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)  (40 °C) No data available.

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Product: **45-W352 0,5L Basecoat**

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Date of print: 27.03.2024

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.

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

allergic symptoms 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:  
Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

## Bioaccumulation potential

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

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

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

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

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Date / Revised: 25.03.2024  
Product: **45-W352 0,5L Basecoat**

Version: 4.0

(50389616/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

IERG Number:14

**Sea transport**

## IMDG

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

**Air transport**

## IATA/ICAO

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

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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

Tracking requirements do not apply to this substance.

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

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**16. Other Information**

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BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W352 0,5L Basecoat**

Version: 4.0

(50389616/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

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

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

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.02.2024  
Product: **45-W382 0,5L Basecoat**

Version: 6.0

(50389647/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

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

**Product name:**  
**45-W382 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.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on



product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

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

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

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butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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 glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	36 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.143 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

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

### Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

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

### Hazardous reactions:

Vapours may form ignitable mixture with air.

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

### Chemical stability:

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

### Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

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

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

#### Symptoms

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

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No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

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

Contaminated packaging:

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

---

## **14. Transport Information**

### **Domestic transport:**

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

Special precautions for user: None known

### **Further information**

Hazchem Code:3Y  
IERG Number:14

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### Sea transport

#### IMDG

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

### Air transport

#### IATA/ICAO

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

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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

Tracking requirements do not apply to this substance.

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

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## 16. Other Information

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

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

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



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Product: **45-W391 0,5L Basecoat**

Version: 4.0

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Date of print: 26.03.2024

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

**Product name:**  
**45-W391 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

### 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: allergic symptoms, 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.

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

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

Body protection:

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

General safety and hygiene measures:

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

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	silver colours
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 35 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.153 g/cm <sup>3</sup> (20 °C)
Relative density:	1.153
Relative vapour density (air):	Heavier than air.
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)  (40 °C) No data available.

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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.

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

### Substances to avoid:

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

### Hazardous reactions:

Vapours may form ignitable mixture with air.

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

### Chemical stability:

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

### Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

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

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

#### Symptoms

allergic symptoms 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:  
Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
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## Bioaccumulation potential

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

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

Contaminated packaging:

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

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

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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: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

## IATA/ICAO

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

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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

Tracking requirements do not apply to this substance.

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

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**16. Other Information**

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BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W391 0,5L Basecoat**

Version: 4.0

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Date of print: 26.03.2024

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

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

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W400 0,5L Basecoat**

Version: 5.0

(50393101/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

### 45-W400 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. 1

Skin sensitization: Cat. 1B

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

Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 P242 Use only non-sparking tools.  
 P241 Use explosion-proof electrical, ventilating and lighting equipment.  
 P243 Take action to prevent static discharges.  
 P233 Keep container tightly closed.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P240 Ground and bond container and receiving equipment.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 1-methoxypropan-2-ol

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 107-98-2	Acute Tox.: Cat. 5 (oral)
	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 108-65-6	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-butoxyethanol

Content (W/W): $\geq 3\%$ - $< 5\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	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

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on



product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

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

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

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

---

## 7. Handling and Storage

### Handling

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

**Protection against fire and explosion:**

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

### Storage

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep 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: 40.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

- 1-methoxypropan-2-ol, 107-98-2;  
TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))
- 2-dimethylaminoethanol, 108-01-0;  
TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))
- 2-butoxyethanol, 111-76-2;  
TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

### 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. butyl rubber gloves - material thickness: 0.5 mm

#### Eye protection:

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

#### Body protection:

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

#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust

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ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	aromatic	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119.00 °C	
Flash point:	38 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	5.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.240 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

## 10. Stability and Reactivity

### Conditions to avoid:

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

### Substances to avoid:

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

### Hazardous reactions:

Vapours may form ignitable mixture with air.

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

## 11. Toxicological Information

### Acute toxicity

#### Assessment of acute toxicity:

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: 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: 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.

### **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:

Sensitization after skin contact possible.

### **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:

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:

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There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:  
 No data available.

### Persistence and degradability

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

-----

### 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:

Packing group:	III
ID number:	UN 1263
Transport hazard class(es):	3
Proper shipping name:	PAINT

**Further information**

Hazchem Code:3Y  
IERG Number:14

**Sea transport**

IMDG

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

**Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

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

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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**16. Other Information**

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

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Product: **45-W400 0,5L Basecoat**

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# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W435 0,5L Basecoat**

Version: 6.0

(50391673/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

### 45-W435 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

Skin sensitization: Cat. 1B

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

Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 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.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P240 Ground and bond container and receiving equipment.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P312 Call a POISON CENTER or physician if you feel unwell.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P333 + P313 If skin irritation or rash occurs: Get medical attention.  
 P303 + P361 + P353 IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P337 + P313 If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

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

Precautionary Statements (Disposal):

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

Other hazards which do not result in classification:

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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 1-methoxypropan-2-ol

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 107-98-2	Acute Tox.: Cat. 5 (oral)
	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

##### 1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 108-65-6	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-butoxyethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 1\%$ - $< 2\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	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. 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, allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

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

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

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

### Special protective equipment:

Appropriate breathing apparatus may be required.

### Further information:

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

---

## 6. Accidental Release Measures

### Personal precautions:

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

### Environmental precautions:

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

### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate), Stove-lacquer KNS L-5X

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

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

### 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.  
butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

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

Body protection:

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

**General safety and hygiene measures:**

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

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	red
Odour:	specific
pH value:	7.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 32 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.250 g/cm <sup>3</sup> (20 °C)
Miscibility with water:	miscible
Viscosity, kinematic:	691.3 mm <sup>2</sup> /s (20 °C)  (40 °C) not determined

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Flow time: > 100 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:

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: 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: 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)



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No Mortality within the stated exposition time as shown in animal studies, however, deaths occurred after longer exposure.  
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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:

Sensitization after skin contact possible.

### **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:

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:

No data available.

## Persistence and degradability

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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## Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Observe national and local legal requirements.  
No disposal via sewage or waste water systems.

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: III

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ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

**Further information**

Hazchem Code:3Y

IERG Number:14

**Sea transport**

IMDG

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

**Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

**Other regulations**

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

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

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

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

# Safety data sheet

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Product: **45-W446 0.5L Basecoat**

Version: 8.0

(50391736/SDS\_GEN\_NZ/EN)

Date of print: 18.04.2023

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

**Product name:**  
**45-W446 0.5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

##### 1-methoxypropan-2-ol

Content (W/W):  $\geq 15\%$  -  $< 20\%$     Flam. Liq.: Cat. 3  
 CAS Number: 107-98-2    Acute Tox.: Cat. 5 (oral)  
 STOT SE: Cat. 3 (drowsiness and dizziness)

##### 1-methoxy-2-propylacetate

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$     Flam. Liq.: Cat. 3  
 CAS Number: 108-65-6    STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-butoxyethanol

Content (W/W):  $\geq 1\%$  -  $< 2\%$     Flam. Liq.: Cat. 4  
 CAS Number: 111-76-2    Eye Dam./Irrit.: Cat. 2A  
 Acute Tox.: Cat. 4 (oral)  
 Skin Corr./Irrit.: Cat. 2

##### 2-dimethylaminoethanol

Content (W/W):  $\geq 1\%$  -  $< 2\%$     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  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 1\%$  -  $< 2\%$     Eye Dam./Irrit.: Cat. 1  
 CAS Number: 126-86-3    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

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

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

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

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

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

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

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on



product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

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

Storage

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

---

## 8. Exposure controls and personal protection

Components with occupational exposure limits

1-methoxypropan-2-ol, 107-98-2;  
TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

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2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

#### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. 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.

butyl rubber gloves - material thickness: 0.5 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.

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

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	red
Odour:	of hydrocarbons
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	not determined
Flash point:	33 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
Density:	1.246 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	Heavier than air.
Miscibility with water:	immiscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)

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(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 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

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

allergic symptoms 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. Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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:**

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

**Mobility**

Assessment transport between environmental compartments:

No data available.

**Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

**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

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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 user: EmS: F-E; S-E

#### **Air transport**

IATA/ICAO

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

#### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

#### **Other regulations**

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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Date / Revised: 01.02.2024  
Product: **45-W485 0,5L Basecoat**

Version: 8.0

(50391739/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

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

**Product name:**  
**45-W485 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Flammable liquids: Cat.3  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

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

## Precautionary Statements (Disposal):

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

organic solvent, pigment, polyurethane

organic solvent, pigment, polyurethane

### Hazardous ingredients

#### 1-methoxypropan-2-ol

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Flam. Liq.: Cat. 3  
CAS Number: 107-98-2 Acute Tox.: Cat. 5 (oral)  
STOT SE: Cat. 3 (drowsiness and dizziness)

#### 1-methoxy-2-propylacetate

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Flam. Liq.: Cat. 3  
CAS Number: 108-65-6 STOT SE: Cat. 3 (drowsiness and dizziness)

#### 2-butoxyethanol

Content (W/W):  $\geq 5\%$  -  $< 7\%$  Flam. Liq.: Cat. 4  
CAS Number: 111-76-2 Eye Dam./Irrit.: Cat. 2A  
Acute Tox.: Cat. 4 (oral)  
Skin Corr./Irrit.: Cat. 2

#### 2-dimethylaminoethanol

Content (W/W):  $\geq 1\%$  -  $< 2\%$  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  
Eye Dam./Irrit.: Cat. 1  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 3

#### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 1\%$  -  $< 2\%$  Eye Dam./Irrit.: Cat. 1  
CAS Number: 126-86-3 Skin Sens.: Cat. 1B  
Aquatic Acute: Cat. 3  
Aquatic Chronic: Cat. 3

#### 1-methoxypropan-2-ol

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Flam. Liq.: Cat. 3  
CAS Number: 107-98-2 Acute Tox.: Cat. 5 (oral)  
STOT SE: Cat. 3 (drowsiness and dizziness)

#### 1-methoxy-2-propylacetate

Content (W/W):  $\geq 15\%$  -  $< 20\%$  Flam. Liq.: Cat. 3  
CAS Number: 108-65-6 STOT SE: Cat. 3 (drowsiness and dizziness)

#### 2-butoxyethanol

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Date of print: 02.02.2024

Content (W/W):  $\geq 5\%$  -  $< 7\%$   
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-dimethylaminoethanol

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 108-01-0

Flam. Liq.: Cat. 3  
Acute Tox.: Cat. 3 (Inhalation - vapour)  
Acute Tox.: Cat. 4 (oral)  
Acute Tox.: Cat. 4 (dermal)  
Skin Corr./Irrit.: Cat. 1B  
Eye Dam./Irrit.: Cat. 1  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
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. 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.

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.

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.

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.

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.

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

Note to physician:

Symptoms: allergic symptoms, 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.

allergic symptoms, 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.

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

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

Unsuitable extinguishing media for safety reasons:

water jet

water jet

Specific hazards:

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

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.

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.

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.

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.

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.

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

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

Protection against fire and explosion:

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

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

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP)

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.

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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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)

STEL value 100 ppm (ACGIHTLV)

TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))



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2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)

STEL value 100 ppm (ACGIHTLV)

TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

No data available.

#### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. 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.

Wear respiratory protection if ventilation is inadequate. 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.

butyl rubber gloves - material thickness: 0.5 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)

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.

butyl rubber gloves - material thickness: 0.5 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.

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.

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.

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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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 liquid	
Colour:	copper colour	
Odour:	aromatic	
pH value:	substance/mixture is non-polar/aprotic	
	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
	not determined	
onset of boiling:	not determined 122 °C	(calculated)
Flash point:	51 °C	(ASTM D3278)
Flammability (solid/gas):	Flammable liquid and vapour. Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup> 36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C > 200 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive not explosive	
Fire promoting properties:	not fire-propagating not fire-propagating	
Vapour pressure:	(20 °C) not determined	

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	(50 °C)	
	not determined	
	9.00 hPa	(calculated)
	(20 °C)	
	46.00 hPa	(calculated)
	(50 °C)	
Density:	1.167 g/cm <sup>3</sup>	
	(20 °C)	
	1.167 g/cm <sup>3</sup>	
	(20 °C)	
Relative density:	1.1672	
	(20 °C)	
Relative vapour density (air):	Heavier than air.	
	Heavier than air.	
Miscibility with water:	immiscible	
	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
	not applicable for mixtures	
Viscosity, kinematic:	20.7 mm <sup>2</sup> /s	
	(20 °C)	
	(40 °C)	
	not determined	
Flow time:	55 s	(DIN EN ISO 2431; 3 mm)
	55 s	(DIN EN ISO 2431; 3 mm)
	(23 °C)	
Solids content:	59.02 %	

## 10. Stability and Reactivity

Conditions to avoid:

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

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.

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.

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.

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.

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.

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

**Reactivity:**

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

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.

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**

allergic symptoms 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.

allergic symptoms 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. Skin contact causes irritation. May cause severe damage to the eyes.

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:

Sensitization after skin contact possible.

Sensitization after skin contact possible.

### **Germ cell mutagenicity**

Assessment of mutagenicity:

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

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

### **Carcinogenicity**

Assessment of carcinogenicity:

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

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.

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.

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

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

Possible narcotic effects (drowsiness or dizziness).

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.

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

### **Aspiration hazard**

No aspiration hazard expected.

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Biological degradability of hazardous substances mentioned in section 3:

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))

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Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

-----

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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

-----

### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

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.

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



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### **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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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.

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.

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:**  
**45-W490 0,5L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
| Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 107-98-2	Acute Tox.: Cat. 5 (oral)
	STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 108-65-6	STOT SE: Cat. 3 (drowsiness and dizziness)

2-butoxyethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 1\%$ - $< 2\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	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. 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: allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

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

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

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

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

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

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

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

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

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

---

## 7. Handling and Storage

### Handling

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

**Protection against fire and explosion:**

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

### Storage

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

Suitable materials for containers: Polyethylenetherephthalate (PET), tinned carbon steel (Tinplate), Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polypropylene (PP)

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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

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1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:

No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 mm

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:	brass, glinty	
Odour:	solvent-like	
pH value:	7.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	117 °C	
Flash point:	34 °C	(ASTM D3278)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	1.5 %(V)	
Ignition temperature:	200 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
	No applicable information available.	
	No applicable information available.	
Density:	1.272 g/cm <sup>3</sup> (20 °C)	
Relative density:	1.2719 (20 °C)	
Relative vapour density (air):	No applicable information available.	
Solubility in water:	No applicable information available.	
Miscibility with water:	miscible	

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Viscosity, kinematic:	684.3 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	100 s	(DIN EN ISO 2431; 6 mm)
Solids content:	63.99 %	

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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 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.

---

## 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

allergic symptoms 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. Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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## Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

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

Contaminated packaging:

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

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for None known

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Date of print): 23.07.2022

user:

**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 user: EmS: F-E; S-E

**Air transport**

IATA/ICAO

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

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

**Other regulations**

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

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

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

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W495 0,5L Basecoat**

Version: 6.0

(50394712/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

### 45-W495 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. 1C

Serious eye damage/eye irritation: Cat. 1

Skin sensitization: Cat. 1B

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

Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H226 Flammable liquid and vapour.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P264 Wash contaminated body parts thoroughly after handling.  
 P242 Use only non-sparking tools.  
 P241 Use explosion-proof electrical, ventilating and lighting equipment.  
 P243 Take action to prevent static discharges.  
 P233 Keep container tightly closed.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P240 Ground and bond container and receiving equipment.  
 P260 Do not breathe dust or mist.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P363 Wash contaminated clothing before reuse.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P333 + P313 If skin irritation or rash 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.

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:



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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

organic solvent, amines, pigment, polyurethane

#### Hazardous ingredients

##### 1-methoxypropan-2-ol

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 107-98-2	Acute Tox.: Cat. 5 (oral)
	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-dimethylaminoethanol

Content (W/W): $\geq 3\%$ - $< 5\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

##### 1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 108-65-6	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-butoxyethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 1\%$ - $< 2\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

| Phosphoric acid, mono- and di-C6-10-alkyl esters

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Content (W/W): $\geq 1\%$ - $< 2\%$	Acute Tox.: Cat. 5 (oral)
CAS Number: 68307-94-8	Skin Corr./Irrit.: Cat. 1C
	Eye Dam./Irrit.: Cat. 1

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, $<2\%$ aromatics	
Content (W/W): $\geq 10\%$ - $< 12.5\%$	Asp. Tox.: Cat. 1
	Flam. Liq.: Cat. 3
CAS Number: 64742-48-9	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:

Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. Immediate medical attention required.

##### 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:

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

##### Note to physician:

Symptoms: allergic symptoms, dazed state, skin corrosion, 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.

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

#### 5. Fire-Fighting Measures

##### Suitable extinguishing media:

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

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:

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

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

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

---

## 6. Accidental Release Measures

Personal precautions:

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

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

Handling

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

**Protection against fire and explosion:**

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

**Storage**

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

Suitable materials for containers: tinned carbon steel (Tinplate), Carbon steel (Iron), Polypropylene (PP), Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Paper/Fibreboard, Stove-lacquer C222A/C221A, Stove-lacquer NOVOCAN S-G 500, 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 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**

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)  
STEL value 100 ppm (ACGIHTLV)  
TWA value 369 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))  
STEL value 553 mg/m<sup>3</sup> ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

**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.  
 butyl rubber gloves - material thickness: 0.5 mm

**Eye protection:**

tight-fitting protective goggles with face screen, Required when there is a risk of eye contact.

**Body protection:**

chemical-resistant apron and boots, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

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

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	of hydrocarbons	
pH value:	7.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	100.00 °C	
Flash point:	33 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	35 g/m <sup>3</sup>	
Ignition temperature:	200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

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Vapour pressure:	23.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.000 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

## 10. Stability and Reactivity

### Conditions to avoid:

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

### Substances to avoid:

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

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: 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: Phosphoric acid, mono- and di-C6-10-alkyl esters

Experimental/calculated data:

LD50 rat (oral): approx. 4,600 mg/kg (BASF-Test)

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.

## Irritation

Assessment of irritating effects:

The liquid splashed in the eyes may cause irritation and reversible damage. Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

## Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

## 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:

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)



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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)  
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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: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### **Further information**

Hazchem Code:3Y  
IERG Number:14

### **Sea transport**

IMDG

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

### **Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

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**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 HSR002663

Surface Coatings and Colourants (Flammable, Corrosive) Group Standard 2017

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## **16. Other Information**

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

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

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

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Date / Revised: 17.08.2022  
Product: **45-W590 1L Basecoat**

Version: 5.0

(50649672/SDS\_GEN\_NZ/EN)

Date of print): 18.08.2022

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

**Product name:**  
**45-W590 1L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat.4 (oral)  
Acute toxicity: Cat.5 (Inhalation - vapour)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P330	Rinse mouth
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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.





Further information:

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

---

## 6. Accidental Release Measures

Personal precautions:

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

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Stove-lacquer EHD0022, Stove-lacquer R 78433  
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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

### 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.  
butyl rubber gloves - material thickness: 0.5 mm



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**Eye protection:**

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

**Body protection:**

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

**General safety and hygiene measures:**

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

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	black
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	55 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	0.975 g/cm <sup>3</sup> (20 °C)

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Miscibility with water:	miscible
Viscosity, kinematic:	(40 °C) not determined 411.6 mm <sup>2</sup> /s (20 °C)
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.

Chemical stability:

The product is stable 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.

Virtually nontoxic by inhalation. Of moderate toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)  
-----

Information on: 2-dimethylaminoethanol

### **Acute inhalation toxicity**

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.  
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### **Symptoms**

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

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

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

---

## 14. Transport Information

### Domestic transport:

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

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

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

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

### Air transport

#### IATA/ICAO

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

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

**Other regulations**

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

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

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

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

# Safety data sheet

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

**Product name:**  
**45-W599 0,100L 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)  
Flammable liquids: Cat.2  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H225	Highly flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

## 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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

propan-2-ol

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 2
CAS Number: 67-63-0	Acute Tox.: Cat. 5 (oral)
	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 5\%$ - $< 7\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

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

Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

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

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

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

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 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:**

chemical-resistant disposable coveralls, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

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

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	silver colours	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:		
onset of boiling:	not determined 89 °C	(calculated)
Flash point:	15 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	33.00 hPa (20 °C)	(calculated)
	180.00 hPa (50 °C)	(calculated)
Density:	0.900 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	

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Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	122.5 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 90 s	(DIN EN ISO 2431; 4 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

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

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: propan-2-ol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 4,396 mg/kg (other)

Literature data.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### **Acute inhalation toxicity**

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.

#### **Symptoms**

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

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

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3YE

IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

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Date of print: 18.04.2023

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

### **Air transport**

IATA/ICAO

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

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## **15. Regulatory Information**

### **Other regulations**

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## **16. Other Information**

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

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

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

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W1010 1L Basecoat**

Version: 5.0

(50389480/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

### 45-W1010 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:

Acute toxicity: Cat. 5 (oral)  
Skin corrosion/irritation: Cat. 2  
Serious eye damage/eye irritation: Cat. 2A  
Skin sensitization: Cat. 1B  
Flammable liquids: Cat. 3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash 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.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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, inorganic compounds, organic solvent, pigment, polyurethane

#### Hazardous ingredients

butan-2-ol

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	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. 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, allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

---

## 6. Accidental Release Measures

**Personal precautions:**

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

**Environmental precautions:**

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

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

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

---

## 7. Handling and Storage

### Handling

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

**Protection against fire and explosion:**

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

### Storage

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

Suitable materials for containers: 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 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

#### 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.  
butyl rubber gloves - material thickness: 0.5 mm

##### Eye protection:

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

##### Body protection:

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

##### General safety and hygiene measures:

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



## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.584 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

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

**Substances to avoid:**

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

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

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

## 11. Toxicological Information

### Acute toxicity

**Assessment of acute toxicity:**

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.

Of low toxicity after single ingestion.

**Information on: 2-dimethylaminoethanol****Experimental/calculated data:**

LD50 rat (oral): 1,183 mg/kg (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.

### Irritation

**Assessment of irritating effects:**

Eye contact causes irritation. Skin contact causes irritation.

### Respiratory/Skin sensitization

**Assessment of sensitization:**

Sensitization after skin contact possible.

### **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:

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

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

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

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### **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: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### **Further information**

Hazchem Code:3Y  
IERG Number:14

### **Sea transport**

IMDG

Packing group: III

BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W1010 1L Basecoat**

Version: 5.0

(50389480/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

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

**Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

**Other regulations**

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

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: 25.03.2024  
Product: **45-W1011 1L Basecoat**

Version: 6.0

(50389186/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

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

**Product name:**  
**45-W1011 1L Basecoat**

Use: Basecoat product

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

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

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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, inorganic compounds, organic solvent, pigment, polyurethane

### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

## **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.



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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, allergic symptoms, skin irritation, Information, i.e. additional information on 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. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

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

Environmental precautions:

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

#### Methods for cleaning up or taking up:

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

---

## 7. Handling and Storage

### Handling

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

### Protection against fire and explosion:

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

### Storage

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), 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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

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TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.  
butyl rubber gloves - material thickness: 0.5 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.

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

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	white
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	35 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.588 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	Heavier than air.
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures
Viscosity, kinematic:	(40 °C) No data available. 411.6 mm <sup>2</sup> /s (23 °C)

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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 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 skin irritation Information, i.e. additional information on 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:

Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

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

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
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## Bioaccumulation potential

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

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

Contaminated packaging:

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

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

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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: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

## IATA/ICAO

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

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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

Tracking requirements do not apply to this substance.

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

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**16. Other Information**



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

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

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

# Safety data sheet

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Product: **45-W1012 0,500L Basecoat**

Version: 2.0

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Date of print 06.06.2022

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

### 45-W1012 0,500L 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

| Flammable liquids: Cat. 4

Label elements and precautionary statement:

Signal Word:

Warning

Hazard Statement:

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H227 Combustible liquid.  
 H316 Causes mild skin irritation.

## 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.

## Precautionary Statements (Response):

P332 + P313 If skin irritation occurs: Get medical attention.  
 P370 + P378 In case of fire: Use water spray for extinction.

## Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.

## Precautionary Statements (Disposal):

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

## Other hazards which do not result in classification:

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

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

inorganic compounds, Water, organic solvent, pigment, saturated polyester resin, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W): $\geq 5\%$ - $< 7\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### Butyl diglycol

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Acute Tox.: Cat. 5 (oral)
CAS Number: 112-34-5	Acute Tox.: Cat. 5 (dermal)
	Skin Corr./Irrit.: Cat. 3
	Eye Dam./Irrit.: Cat. 2A

### 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. 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:**

If symptoms persist, seek medical advice. Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution.

**On ingestion:**

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

**Note to physician:**

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

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

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

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

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

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

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

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## 6. Accidental Release Measures

**Personal precautions:**

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

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Stainless steel 1.4301 (V2), Polypropylene (PP), Polyethyleneterephthalate (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 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 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 - 40.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

### 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:

In case of regular or extensive contact, a protection glove certified according to EN ISO 374-1 and made of butyl rubber (material thickness 0.5 mm) or nitrile rubber (material thickness 0,7 mm) or fluorinated rubber (material thickness 0,7 mm) is recommended.

Processes should be designed in such a way, that only disposable gloves against splashes are required, e.g. nitrile or neoprene gloves.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	white
Odour:	of glycol
pH value:	7.3 - 8.0

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 Product: **45-W1012 0,500L Basecoat**

Version: 2.0

(50667218/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 70 °C	(ISO 3679)
Flammability (solid/gas):	Combustible liquid.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.639 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	196.5 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 5 mm)

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

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:

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: Butyl diglycol

Experimental/calculated data:

LD50 rabbit (dermal): 2,764 mg/kg (OECD Guideline 402)

### Irritation

Assessment of irritating effects:

Not irritating to the eyes. Skin contact causes slight irritation.

### Respiratory/Skin sensitization

Assessment of sensitization:

Based on available data, the classification criteria are not met.

### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### Carcinogenicity

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

### Reproductive toxicity

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### Developmental toxicity

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.



**Specific target organ toxicity (single exposure):**

Assessment of STOT single:

Based on available data, the classification criteria are not met.

**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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

**Mobility**

Assessment transport between environmental compartments:

No data available.

**Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

No data available concerning biodegradation and elimination.

**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:

| Not classified as a dangerous good under transport regulations

### Sea transport

IMDG

| Not classified as a dangerous good under transport regulations

### Air transport

IATA/ICAO

| Not classified as a dangerous good under transport regulations

## 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 HSR002657

Surface Coatings and Colourants (Combustible) 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: 25.03.2024  
Product: **45-W1019 0,5L Basecoat**

Version: 6.0

(50388882/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1019 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H336 May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P271 Use only outdoors or in a well-ventilated area.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 Wash contaminated body parts thoroughly after handling.  
 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.  
 P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P370 + P378 In case of fire: Use water spray for extinction.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.  
 P310 Immediately call a POISON CENTER or physician.  
 P333 + P313 If skin irritation or rash 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.

Precautionary Statements (Storage):

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

fillers, organic solvent, pigment, polyurethane

#### Hazardous ingredients

propylene glycol monoethyl ether	Content (W/W): $\geq 25\%$ - $< 30\%$ CAS Number: 1569-02-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
butan-2-ol	Content (W/W): $\geq 10\%$ - $< 12.5\%$ CAS Number: 78-92-2	Flam. Liq.: Cat. 3 Eye Irrit.: Cat. 2A STOT SE: Cat. 3 (drowsiness and dizziness) STOT SE: Cat. 3 (irr. to respiratory syst.)
2-butoxyethanol	Content (W/W): $\geq 5\%$ - $< 7\%$ CAS Number: 111-76-2	Flam. Liq.: Cat. 4 Eye Irrit.: Cat. 2A Acute Tox.: Cat. 4 (oral) Skin Irrit.: Cat. 2
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	Content (W/W): $\geq 2.5\%$ - $< 3\%$ CAS Number: 126-86-3	Eye Dam.: Cat. 1 Skin Sens.: Cat. 1B Aquatic Acute: Cat. 3 Aquatic Chronic: Cat. 3
2-dimethylaminoethanol	Content (W/W): $\geq 1\%$ - $< 2\%$ 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.: Cat. 1B Eye Dam.: Cat. 1 Aquatic Acute: Cat. 3 STOT SE: Cat. 3 (irr. to respiratory syst.)

### 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.



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## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.052 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	(40 °C) No data available. 411.6 mm <sup>2</sup> /s (23 °C)	
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.

### Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Based on available data, the classification criteria are not met.

#### Symptoms

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### **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

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### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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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Date / Revised: 25.03.2024  
Product: **45-W1019 0,5L Basecoat**

Version: 6.0

(50388882/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 25.03.2024  
Product: **45-W1020 0,5L Basecoat**

Version: 5.0

(50390264/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1020 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

### 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.

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**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, allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

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2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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.

butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	white	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	34 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.207 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

### Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:  
LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)  
-----

### **Symptoms**

Eye irritation allergic symptoms skin irritation Information, i.e. additional information on 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:  
Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

Based on available data, the classification criteria are not met.

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### 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



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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 user: EmS: F-E; S-E

#### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

#### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

#### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

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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.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 31.10.2022  
Product: **45-W1110 0,5L Basecoat**

Version: 7.0

(50389440/SDS\_GEN\_NZ/EN)

Date of print): 01.11.2022

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1110 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W):  $\geq 25\%$  -  $< 30\%$   
 CAS Number: 111-76-2  
 Flam. Liq.: Cat. 4  
 Eye Dam./Irrit.: Cat. 2A  
 Acute Tox.: Cat. 4 (oral)  
 Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
 CAS Number: 78-92-2  
 Flam. Liq.: Cat. 3  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 126-86-3  
 Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

##### propylene glycol monoethyl ether

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
 CAS Number: 1569-02-4  
 Flam. Liq.: Cat. 3  
 STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-dimethylaminoethanol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
 CAS Number: 108-01-0  
 Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 3 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

### 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Stove-lacquer R 78433, Stove-lacquer EHD0022, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

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Date / Revised: 31.10.2022  
Product: **45-W1110 0,5L Basecoat**

Version: 7.0

(50389440/SDS\_GEN\_NZ/EN)

Date of print): 01.11.2022

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.  
butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the



workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
	No applicable information available.	
	No applicable information available.	
Density:	1.106 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable 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: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

### **Acute inhalation toxicity**

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.

### **Symptoms**

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

Based on available data, the classification criteria are not met.

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### **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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Version: 7.0

(50389440/SDS\_GEN\_NZ/EN)

Date of print): 01.11.2022

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 25.03.2024  
Product: **45-W1120 0,5L Basecoat**

Version: 4.0

(50386488/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1120 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

propylene glycol monoethyl ether

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

### 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.

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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, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

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TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	yellow
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)

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Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	34 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.208 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:  
Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### Symptoms

Eye irritation allergic symptoms skin irritation Information, i.e. additional information on 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:  
Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

## 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



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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: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

## IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

**15. Regulatory Information****Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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**

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Version: 4.0

(50386488/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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Product: **45-W1130 0,5L Basecoat**

Version: 4.0

(50389187/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1130 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:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.1

Skin sensitization: Cat.1B

Acute toxicity: Cat.5 (Inhalation - vapour)

Flammable liquids: Cat.3

Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

## 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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

propylene glycol monoethyl ether

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

Copper, [1-[[[2-(hydroxy-.kappa.O)phenyl]imino-.kappa.N]methyl]-2-naphthalenolato(2-)-.kappa.O]-

Content (W/W): $\geq 7\%$ - $< 10\%$	Acute Tox.: Cat. 4 (Inhalation - dust)
CAS Number: 15680-42-9	Aquatic Acute: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
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. 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: allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

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Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### 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

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:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	yellow
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	35 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self ignition:	Unspecified
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

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Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.012 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	621.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 90 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 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.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### Acute inhalation toxicity

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.

### Symptoms

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

## 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

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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: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

## IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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**15. Regulatory Information****Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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**16. Other Information**

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For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **45-W1140 0,5L Basecoat**

Version: 4.0

(50389617/SDS\_GEN\_NZ/EN)

Date of print 10.05.2023

## 1. Substance/preparation and manufacturer/supplier identification

### 45-W1140 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:

Acute toxicity: Cat. 5 (oral)  
Skin corrosion/irritation: Cat. 2  
Serious eye damage/eye irritation: Cat. 2A  
Skin sensitization: Cat. 1B  
Hazardous to the aquatic environment - acute: Cat. 3  
Hazardous to the aquatic environment - chronic: Cat. 3  
Flammable liquids: Cat. 3

Label elements and precautionary statement:



## Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash 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.
P337 + P313	If eye irritation persists: Get medical attention.

## Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

butan-2-ol

Content (W/W):  $\geq 7\%$  -  $< 10\%$   
 CAS Number: 78-92-2

Flam. Liq.: Cat. 3  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

2-dimethylaminoethanol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
 CAS Number: 108-01-0

Flam. Liq.: Cat. 3  
 Acute Tox.: Cat. 3 (Inhalation - vapour)  
 Acute Tox.: Cat. 4 (oral)  
 Acute Tox.: Cat. 4 (dermal)  
 Skin Corr./Irrit.: Cat. 1B  
 Eye Dam./Irrit.: Cat. 1  
 STOT SE: Cat. 3 (irr. to respiratory syst.)  
 Aquatic Acute: Cat. 3

2-butoxyethanol

Content (W/W):  $\geq 15\%$  -  $< 20\%$   
 CAS Number: 111-76-2

Flam. Liq.: Cat. 4  
 Eye Dam./Irrit.: Cat. 2A  
 Acute Tox.: Cat. 4 (oral)  
 Skin Corr./Irrit.: Cat. 2

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 2.5\%$  -  $< 3\%$   
 CAS Number: 126-86-3

Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

zinc phosphate

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 CAS Number: 7779-90-0

Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 1  
 M-factor acute: 1  
 M-factor chronic: 1

## 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, allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

### Special protective equipment:

Appropriate breathing apparatus may be required.

### Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

### 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.

butyl rubber gloves - material thickness: 0.5 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

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workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	34 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.509 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

## 11. Toxicological Information

### Acute toxicity

#### Assessment of acute toxicity:

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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (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.

### Irritation

#### Assessment of irritating effects:

Eye contact causes irritation. Skin contact causes irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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:  
Based on available data, the classification criteria are not met.

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:  
Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:  
Harmful to aquatic life. Harmful to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:



No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

Information on: zinc phosphate

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Observe national and local legal requirements.

No disposal via sewage or waste water systems.

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: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### **Further information**

Hazchem Code:3Y

IERG Number:14

**Sea transport**

## IMDG

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Marine pollutant: NO  
Proper shipping name: PAINT

**Air transport**

## IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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Version: 4.0

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 16.04.2023  
Product: **45-W1141 0,5L Basecoat**

Version: 5.0

(50782246/SDS\_GEN\_NZ/EN)

Date of print: 15.05.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1141 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.2A

Flammable liquids: Cat.3

Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use 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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

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.

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### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 0.1\%$ - $< 0.2\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	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. 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, allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: glass, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits



butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 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.

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#### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	30 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.995 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	

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Viscosity, kinematic:

(40 °C)  
not determined  
411.6 mm<sup>2</sup>/s  
(20 °C)

Flow time:

&gt; 60 s

(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

### Symptoms

Eye irritation allergic symptoms 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:

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)

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

**Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number 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: 12.04.2023  
Product: **45-W1147 0,5L Basecoat**

Version: 6.0

(50386742/SDS\_GEN\_NZ/EN)

Date of print: 16.05.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1147 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:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.1

Skin sensitization: Cat.1B

Flammable liquids: Cat.3

Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:





Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

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, organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

propylene glycol monoethyl ether	Content (W/W): $\geq 30\%$ - $< 50\%$ CAS Number: 1569-02-4	Flam. Liq.: Cat. 3 STOT SE: Cat. 3 (drowsiness and dizziness)
2-butoxyethanol	Content (W/W): $\geq 20\%$ - $< 25\%$ CAS Number: 111-76-2	Flam. Liq.: Cat. 4 Eye Dam./Irrit.: Cat. 2A Acute Tox.: Cat. 4 (oral) Skin Corr./Irrit.: Cat. 2
2,4,7,9-Tetramethyldec-5-yne-4,7-diol	Content (W/W): $\geq 3\%$ - $< 5\%$ CAS Number: 126-86-3	Eye Dam./Irrit.: Cat. 1 Skin Sens.: Cat. 1B Aquatic Acute: Cat. 3 Aquatic Chronic: Cat. 3
2-dimethylaminoethanol	Content (W/W): $\geq 1\%$ - $< 2\%$ 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
melamine	Content (W/W): $\geq 1\%$ - $< 2\%$ CAS Number: 108-78-1	Repr.: Cat. 2 (fertility) Acute Tox.: Cat. 5 (oral)

### 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: allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

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Product: **45-W1147 0,5L Basecoat**

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2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

#### 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

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

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workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.002 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	621.6 mm <sup>2</sup> /s (20 °C)	

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Date of print: 16.05.2023

(40 °C)  
not determined

Flow time: > 90 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:  
LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### **Acute oral toxicity**

Experimental/calculated data:  
LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

### **Symptoms**

allergic symptoms 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:  
Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### 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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Date / Revised: 12.04.2023  
Product: **45-W1147 0,5L Basecoat**

Version: 6.0

(50386742/SDS\_GEN\_NZ/EN)

Date of print: 16.05.2023

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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: 09.06.2022  
Product: **45-W1150 0,5L Basecoat**

Version: 5.0

(50389653/SDS\_GEN\_NZ/EN)

Date of print): 10.06.2022

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1150 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:  
Acute toxicity: Cat.4 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P330	Rinse mouth
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

## Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

## 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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	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. 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:**

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

**Note to physician:**

Symptoms: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits



butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.  
butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the

workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.022 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	621.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 90 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

---

## 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 moderate toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

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Information on: 2-dimethylaminoethanol

#### Acute inhalation toxicity

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.

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### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### 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)

Based on available data, the classification criteria are not met.

### 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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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### Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

BASF Safety data sheet  
Date / Revised: 09.06.2022  
Product: **45-W1150 0,5L Basecoat**

Version: 5.0

(50389653/SDS\_GEN\_NZ/EN)

Date of print): 10.06.2022

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed

Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 09.01.2023  
Product: **45-W1160 0,5L Basecoat**

Version: 5.0

(50390158/SDS\_GEN\_NZ/EN)

Date of print): 10.01.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1160 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:





Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 3\%$ - $< 5\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	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. 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:

No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

**9. Physical and Chemical Properties**

Form:	liquid
Colour:	yellow
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	33 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	1.041 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	Heavier than air.
Miscibility with water:	miscible

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Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic:  
(40 °C)  
not determined  
411.6 mm<sup>2</sup>/s  
(20 °C)

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., In case of fire may produce hydrogen halide vapours., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable 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: 2-dimethylaminoethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

### Acute inhalation toxicity

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.

### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### 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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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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)

### **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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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Date of print): 10.01.2023

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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(50389531/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1220 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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, organic solvent, pigment, polyurethane

### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

## **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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;



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TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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.  
butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

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 glycol
pH value:	6.0 - 9.0 (500.00000 g/l)

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Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	31 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.058 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	(40 °C) No data available. 411.6 mm <sup>2</sup> /s (23 °C)	
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.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

**Chemical stability:**

The product is stable if stored and handled as prescribed/indicated.

**Reactivity:**

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:  
Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
-----

## 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

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**Sea transport**

## IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

## IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

**15. Regulatory Information****Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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**

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For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 05.08.2022  
Product: **45-W1230 0,5L Basecoat**

Version: 1.1

(50810153/SDS\_GEN\_NZ/EN)

Date of print): 29.02.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1230 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  
Flammable liquids: Cat.4

Label elements and precautionary statement:

Signal Word:  
Warning

Hazard Statement:



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H227 Combustible liquid.  
 H316 Causes mild skin irritation.

## 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.

## Precautionary Statements (Response):

P332 + P313 If skin irritation occurs: Get medical attention.

P370 + P378 In case of fire: Use water spray for extinction.

## Precautionary Statements (Storage):

P403 + P235 Store in a well-ventilated place. Keep cool.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

acrylic resin, Water, organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W):  $\geq 7\%$  -  $< 10\%$

CAS Number: 111-76-2

Flam. Liq.: Cat. 4

Eye Dam./Irrit.: Cat. 2A

Acute Tox.: Cat. 4 (oral)

Skin Corr./Irrit.: Cat. 2

polypropylene glycol

Content (W/W):  $\geq 2.5\%$  -  $< 3\%$

CAS Number: 25322-69-4

Acute Tox.: Cat. 5 (oral)

2-dimethylaminoethanol

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Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$  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. 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:

If symptoms persist, seek medical advice. Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution.

### 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: No data available.

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:

Hazardous decomposition products formed under fire conditions.

### 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. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: glass, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

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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. Store protected against freezing.

Storage stability:  
Storage temperature: 5 - 40 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;  
TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;  
TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

### 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:

In case of regular or extensive contact, a protection glove certified according to EN ISO 374-1 and made of butyl rubber (material thickness 0.5 mm) or nitrile rubber (material thickness 0,7 mm) or fluorinated rubber (material thickness 0,7 mm) is recommended.

Processes should be designed in such a way, that only disposable gloves against splashes are required, e.g. nitrile or neoprene gloves.

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.

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#### 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 glycol	
pH value:	7.0 - 9.0	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 70 °C	(ISO 3679)
Flammability (solid/gas):	Combustible liquid.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.060 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	621.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 90 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

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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## 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

No data available.

#### Irritation

##### Assessment of irritating effects:

Not irritating to the eyes. Skin contact causes slight irritation.

#### Respiratory/Skin sensitization

##### Assessment of sensitization:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Based on available data, the classification criteria are not met.

### **Carcinogenicity**

Assessment of carcinogenicity:

Based on available data, the classification criteria are not met.

### **Reproductive toxicity**

Assessment of reproduction toxicity:

Based on available data, the classification criteria are not met.

### **Developmental toxicity**

Assessment of teratogenicity:

Based on available data, the classification criteria are not met.

### **Specific target organ toxicity (single exposure)**

Based on available data, the classification criteria are not met.

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

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Information on: 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))

### 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:

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
Proper shipping name:	Not applicable



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Date of print): 29.02.2024

Transport hazard class(es): Not applicable  
Packing group: Not applicable  
Environmental hazards: Not applicable  
Special precautions for user: None known

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002657

Surface Coatings and Colourants (Combustible) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 10.04.2023  
Product: **45-W1310 0,5L Basecoat**

Version: 5.0

(50389656/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1310 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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Product: **45-W1310 0,5L Basecoat**

Version: 5.0

(50389656/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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

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.

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#### 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 glycol	
Odour threshold:	No data available.	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Evaporation rate:	No data available.	
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Upper explosion limit:	No data available.	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	Unspecified	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.179 g/cm <sup>3</sup> (20 °C)	



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Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C)	not determined
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs

may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### **Acute inhalation toxicity**

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.

#### **Symptoms**

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

Based on available data, the classification criteria are not met.

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### **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

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Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

---

## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1320 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:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.2A

Skin sensitization: Cat.1B

Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)

Acute toxicity: Cat.5 (Inhalation - vapour)

Flammable liquids: Cat.3

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P333 + P313	If skin irritation or rash 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.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):



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P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

propylene glycol monoethyl ether

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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, allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

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2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

#### 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

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

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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 glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.114 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	

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(40 °C)  
not determined

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:  
LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:  
LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### **Acute inhalation toxicity**

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.

#### **Symptoms**

Eye irritation allergic symptoms 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:  
Eye contact causes irritation. Skin contact causes irritation.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

#### **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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)



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### Bioaccumulation potential

Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3

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Packing group:	III
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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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Product: **45-W1321 0,5L Basecoat**

Version: 5.0

(50782269/SDS\_GEN\_NZ/EN)

Date of print: 09.10.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1321 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:  
Acute toxicity: Cat.5 (oral)  
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.)  
Acute toxicity: Cat.5 (Inhalation - vapour)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use 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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Other hazards which do not result in classification:

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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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

##### 2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### propylene glycol monoethyl ether

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	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

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Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$  Eye Dam./Irrit.: Cat. 1  
CAS Number: 126-86-3 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. 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, allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

### Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### 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

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):



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Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	28 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	Unspecified	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

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Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.986 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	(40 °C) not determined 411.6 mm <sup>2</sup> /s (20 °C)	
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 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.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### Acute inhalation toxicity

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.

### Symptoms

Eye irritation allergic symptoms 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:

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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

## 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

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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: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

## IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

**Other regulations**

The information contained in this publication is according to Law 29783.

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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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Product: **45-W1330 0,5L Basecoat**

Version: 5.0

(50386561/SDS\_GEN\_NZ/EN)

Date of print: 05.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1330 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:





Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
 CAS Number: 111-76-2  
 Flam. Liq.: Cat. 4  
 Eye Dam./Irrit.: Cat. 2A  
 Acute Tox.: Cat. 4 (oral)  
 Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
 CAS Number: 78-92-2  
 Flam. Liq.: Cat. 3  
 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$   
 CAS Number: 126-86-3  
 Eye Dam./Irrit.: Cat. 1  
 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
 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. 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 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 glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.019 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	

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Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

### Acute inhalation toxicity

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.

### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### 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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### **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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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Date of print: 05.04.2023

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 01.02.2024  
Product: **45-W1340 0,5L Basecoat**

Version: 6.0

(50389645/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1340 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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

organic solvent, pigment, polyurethane

### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 20\%$ - $< 25\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

propylene glycol monoethyl ether

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.



Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

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 glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined

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Flash point:	51 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.097 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

## 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

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### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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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:**  
**45-W1350 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Hazardous to the aquatic environment - acute: Cat.3  
Flammable liquids: Cat.3  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:





Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

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, organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

propylene glycol monoethyl ether

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

| C.I. Pigment Red 179

Content (W/W): $\geq 7\%$ - $< 10\%$	STOT RE: Cat. 2
CAS Number: 5521-31-3	

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
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

dodecan-1-ol

Content (W/W):  $\geq 0.2\%$  -  $< 0.3\%$   
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. 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

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Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is

recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

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 glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	35 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

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Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.981 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### Symptoms

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

#### 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)**

Possible narcotic effects (drowsiness or dizziness).

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

Based on available data, the classification criteria are not met.

### **Aspiration hazard**

No aspiration hazard expected.

---

## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Harmful to aquatic life. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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))

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Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### 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 user: EmS: F-E; S-E

BASF Safety data sheet  
Date / Revised: 01.02.2024  
Product: **45-W1350 0,5L Basecoat**

Version: 7.0

(50389439/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

**Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number 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: 31.10.2022  
Product: **45-W1360 0,5L Basecoat**

Version: 5.0

(50389331/SDS\_GEN\_NZ/EN)

Date of print: 01.11.2022

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1360 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:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.1

Skin sensitization: Cat.1B

Acute toxicity: Cat.5 (Inhalation - vapour)

Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)

Flammable liquids: Cat.3

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
------	---

Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

fillers, organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

##### 2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

BASF Safety data sheet  
Date / Revised: 31.10.2022  
Product: **45-W1360 0,5L Basecoat**

Version: 5.0

(50389331/SDS\_GEN\_NZ/EN)

Date of print): 01.11.2022

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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: allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:  
Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:  
Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:  
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:  
Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.



Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. Use A1P2 breathing-protection half mask in case of contact with aerosols.

Hand protection:

Further information on penetration time is available from the manufacturer of the glove.

Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components.

The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties).

Follow manufacturer's advice on use, storage, maintenance and replacement of gloves.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g.

nitrile gloves - material thickness: 0,7 mm

**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	red
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	32 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined
	(50 °C) not determined
	No applicable information available.
	No applicable information available.

BASF Safety data sheet  
Date / Revised: 31.10.2022  
Product: **45-W1360 0,5L Basecoat**

Version: 5.0

(50389331/SDS\_GEN\_NZ/EN)

Date of print): 01.11.2022

Density:	0.976 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)  (40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable 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: 2-dimethylaminoethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

### Acute inhalation toxicity

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.

### Symptoms

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### 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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

BASF Safety data sheet  
Date / Revised: 31.10.2022  
Product: **45-W1360 0,5L Basecoat**

Version: 5.0

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Date of print): 01.11.2022

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)

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### Bioaccumulation potential

Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

BASF Safety data sheet  
Date / Revised: 31.10.2022  
Product: **45-W1360 0,5L Basecoat**

Version: 5.0

(50389331/SDS\_GEN\_NZ/EN)

Date of print): 01.11.2022

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number 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: 25.03.2024  
Product: **45-W1371 0,5L Basecoat**

Version: 4.0

(50471209/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1371 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:





Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

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, organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W1371 0,5L Basecoat**

Version: 4.0

(50471209/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

---

## 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

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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Product: **45-W1371 0,5L Basecoat**

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(50471209/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

**Body protection:**

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 glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:		
onset of boiling:	not determined	
	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.982 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	

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Date of print: 26.03.2024

Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### **Symptoms**

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**



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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

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Date of print: 26.03.2024

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W1380 0,5L Basecoat**

Version: 4.0

(50389279/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

## 1. Substance/preparation and manufacturer/supplier identification

### **45-W1380 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:

Acute toxicity: Cat. 4 (oral)  
Skin corrosion/irritation: Cat. 2  
Serious eye damage/eye irritation: Cat. 1  
Skin sensitization: Cat. 1B  
Flammable liquids: Cat. 3  
Acute toxicity: Cat. 5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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.
P240	Ground and bond container and receiving equipment.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P330	Rinse mouth
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

2-butoxyethanol

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	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. 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:**

Summon medical aid without delay. Do not induce vomiting due to aspiration hazard. Rinse mouth immediately with water. Keep at rest.

**Note to physician:**

Symptoms: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Protection against fire and explosion:**

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Stove-lacquer R 78433, Stove-lacquer EHD0022, 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 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;



TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

#### 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.  
butyl rubber gloves - material thickness: 0.5 mm

##### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

##### Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Self heating ability:	It is not a substance capable of spontaneous heating.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.993 g/cm <sup>3</sup> (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

## 10. Stability and Reactivity

Conditions to avoid:  
Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

**Substances to avoid:**

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Acute toxicity

**Assessment of acute toxicity:**

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 moderate toxicity after single ingestion.

**Information on: 2-dimethylaminoethanol****Experimental/calculated data:**

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

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**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.

-----

### Irritation

**Assessment of irritating effects:**

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

**Assessment of sensitization:**

Sensitization after skin contact possible.

### **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:

Based on available data, the classification criteria are not met.

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### **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: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### **Further information**

Hazchem Code:3Y  
IERG Number:14

### **Sea transport**

IMDG

Packing group: III

BASF Safety data sheet  
Date / Revised: 17.05.2022  
Product: **45-W1380 0,5L Basecoat**

Version: 4.0

(50389279/SDS\_GEN\_NZ/EN)

Date of print 06.06.2022

ID number: UN 1263  
Transport hazard class(es): 3  
Marine pollutant: NO  
Proper shipping name: PAINT

**Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

**Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet

Date / Revised: 01.01.2024

Product: **45-W1390 0,100L Basecoat**

Version: 3.0

(50562135/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
45-W1390 0,100L 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

Skin sensitization: Cat.1B

Flammable liquids: Cat.4

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H227	Combustible liquid.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P272	Contaminated work clothing should not be allowed out of the workplace.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
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.
P333 + P313	If skin irritation or rash occurs: Get medical attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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, Water, organic solvent, pigment, polyurethane

#### Hazardous ingredients



**C.I. Pigment Red 179**

Content (W/W):  $\geq 5\%$  -  $< 7\%$  STOT RE: Cat. 2  
 CAS Number: 5521-31-3

**2-butoxyethanol**

Content (W/W):  $\geq 3\%$  -  $< 5\%$  Flam. Liq.: Cat. 4  
 CAS Number: 111-76-2 Eye Dam./Irrit.: Cat. 2A  
 Acute Tox.: Cat. 4 (oral)  
 Skin Corr./Irrit.: Cat. 2

**polypropylene glycol**

Content (W/W):  $\geq 3\%$  -  $< 5\%$  Acute Tox.: Cat. 5 (oral)  
 CAS Number: 25322-69-4

**butan-2-ol**

Content (W/W):  $\geq 2\%$  -  $< 2.5\%$  Flam. Liq.: Cat. 3  
 CAS Number: 78-92-2 Eye Dam./Irrit.: Cat. 2A  
 STOT SE: Cat. 3 (drowsiness and dizziness)  
 STOT SE: Cat. 3 (irr. to respiratory syst.)

**2,4,7,9-Tetramethyldec-5-yne-4,7-diol**

Content (W/W):  $\geq 1\%$  -  $< 2\%$  Eye Dam./Irrit.: Cat. 1  
 CAS Number: 126-86-3 Skin Sens.: Cat. 1B  
 Aquatic Acute: Cat. 3  
 Aquatic Chronic: Cat. 3

**dodecan-1-ol**

Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$  Eye Dam./Irrit.: Cat. 2A  
 CAS Number: 112-53-8 Aquatic Acute: Cat. 1  
 Aquatic Chronic: Cat. 2  
 M-factor acute: 1

---

## 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, allergic symptoms, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Hazardous decomposition products formed under fire conditions.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Polypropylene (PP), Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer C222A/C221A, Stove-lacquer NOVOCAN S-G 500, 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 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 - 40.00 °C

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 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:

chemical-resistant disposable coveralls, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

##### General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	red	
Odour:	of glycol	
pH value:	6.0 - 9.0	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	> 70 °C	(ISO 3679)
Flammability (solid/gas):	Combustible liquid.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.038 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Lighter than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	80.0 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 4 mm)

---

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid direct sunlight. 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:

No hazardous reactions when stored and handled according to instructions.

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 Information, i.e. additional information on 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:

Eye contact causes irritation. Skin contact causes slight irritation.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
 Biological degradability of hazardous substances mentioned in section 3:

Information on: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

## 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:

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
	Marine pollutant: no
Special precautions for user	None known



BASF Safety data sheet  
Date / Revised: 01.01.2024  
Product: **45-W1390 0,100L Basecoat**

Version: 3.0

(50562135/SDS\_GEN\_NZ/EN)

Date of print: 03.01.2024

**Air transport**

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
Proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

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**15. Regulatory Information****Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

A certified handler is not required for the handling of this substance.

Tracking requirements do not apply to this substance.

HSNO Approval Number HSR002657

Surface Coatings and Colourants (Combustible) Group Standard 2017

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**16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 04.04.2023  
Product: **45-W1411 0,5L Basecoat**

Version: 4.0

(50388893/SDS\_GEN\_NZ/EN)

Date of print: 05.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1411 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:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.1

Skin sensitization: Cat.1B

Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)

Acute toxicity: Cat.5 (Inhalation - vapour)

Flammable liquids: Cat.3

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

## 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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BASF Safety data sheet  
 Date / Revised: 04.04.2023  
 Product: **45-W1411 0,5L Basecoat**

Version: 4.0

(50388893/SDS\_GEN\_NZ/EN)

Date of print: 05.04.2023

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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

BASF Safety data sheet  
Date / Revised: 04.04.2023  
Product: **45-W1411 0,5L Basecoat**

Version: 4.0

(50388893/SDS\_GEN\_NZ/EN)

Date of print: 05.04.2023

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	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. 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: allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

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Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### 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.

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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.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	violet	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	35 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	



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Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.976 g/cm <sup>3</sup> (20 °C)	
Relative density:	0.976	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

### Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### Acute inhalation toxicity

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.

### Symptoms

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

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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: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

**Air transport**

## IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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**15. Regulatory Information****Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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**16. Other Information**

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For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 25.03.2024  
Product: **45-W1420 0,5L Basecoat**

Version: 4.0

(50388823/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1420 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

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, organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

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Date of print: 27.03.2024

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
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.: Cat. 1B  
Eye Dam.: Cat. 1  
Aquatic Acute: Cat. 3  
STOT SE: Cat. 3 (irr. to respiratory syst.)

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## 4. First-Aid Measures

### General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

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:**

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	violet	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.986 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	

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Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### **Symptoms**

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
-----

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.



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Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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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Version: 5.0

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Date of print: 26.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1430 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

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, organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

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Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

---

## 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

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:**

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 glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	34 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.982 g/cm <sup>3</sup> (20 °C)	
Relative density:	0.982	
Relative vapour density (air):	Heavier than air.	

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Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	(40 °C) No data available. 411.6 mm <sup>2</sup> /s (23 °C)	
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.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause

some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### **Symptoms**

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

**Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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: 25.03.2024  
Product: **45-W1510 0,5L Basecoat**

Version: 4.0

(50386536/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1510 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Skin sensitization: Cat.1B  
Hazardous to the aquatic environment - chronic: Cat.2  
Flammable liquids: Cat.3  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

## Precautionary Statements (Prevention):

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P273	Avoid release to the environment.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P391	Collect spillage.
P337 + P313	If eye irritation persists: Get medical attention.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.



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Date of print: 27.03.2024

**Precautionary Statements (Disposal):**

P501 Dispose of contents and container to hazardous or special waste collection point.

**Other hazards which do not result in classification:**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

---

### 3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

fillers, organic solvent, pigment, polyurethane

**Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2\%$ - $< 2.5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

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Date of print: 27.03.2024

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

3-(3-Isodecyloxypropylamino)propylamine

Content (W/W): $\geq 0.5\%$ - $< 1\%$	Acute Tox.: Cat. 3 (oral)
CAS Number: 72162-46-0	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. 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, allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

Unsuitable extinguishing media for safety reasons:  
water jet

Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

#### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:  
Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:  
Body protection not required., Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:  
Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	blue
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	30 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating

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Vapour pressure:

(20 °C)  
not determined

(50 °C)  
not determined

Density: 1.000 g/cm<sup>3</sup>  
(20 °C)

Relative density: 1.000

Relative vapour density (air):  
Heavier than air.

Miscibility with water:

miscible

Partitioning coefficient n-octanol/water (log Pow):  
not applicable for mixtures

Viscosity, kinematic: 411.6 mm<sup>2</sup>/s  
(23 °C)

(40 °C)  
No data available.

Flow time: > 60 s (DIN EN ISO 2431; 6 mm)  
(23 °C)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### Acute inhalation toxicity

Experimental/calculated data:

LC50 rat (by inhalation): 6.1 mg/l 1641 ppm 4 h (OECD Guideline 403)

The vapour was tested.

#### Symptoms

Eye irritation allergic symptoms 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:

Eye contact causes irritation. Skin contact causes irritation.

#### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### **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)**

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:

Toxic to aquatic life with long lasting effects. There are no test results available for this product. Do not allow to enter drains or waterways.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:



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Product: **45-W1510 0,5L Basecoat**

Version: 4.0

(50386536/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### **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, EHSM

Packing group: III

Environmental hazards: yes

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 (3-(3-Isodecyloxypropylamino)propylamine)

Transport hazard class(es): 3, EHSM

Packing group: III

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Environmental hazards: yes  
Marine pollutant: YES  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

---

## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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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Date / Revised: 25.03.2024  
Product: **45-W1520 1L Basecoat**

Version: 6.0

(50388808/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1520 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:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.1

Skin sensitization: Cat.1B

Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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, organic solvent, pigment, polyurethane

### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

propylene glycol monoethyl ether

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

---

## **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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	blue
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined



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Flash point:	54 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.035 g/cm <sup>3</sup> (20 °C)	
Relative density:	1.035	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	(40 °C) No data available. 411.6 mm <sup>2</sup> /s (23 °C)	
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.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

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: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

#### Air transport

##### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

#### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **45-W1530 0,5L Basecoat**

Version: 5.0

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Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1530 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:

BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:

| Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
| Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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.



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### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

organic solvent, pigment, polyurethane

#### Hazardous ingredients

2-butoxyethanol

Content (W/W):  $\geq 25\%$  -  $< 30\%$     Flam. Liq.: Cat. 4  
CAS Number: 111-76-2    Eye Dam./Irrit.: Cat. 2A  
Acute Tox.: Cat. 4 (oral)  
Skin Corr./Irrit.: Cat. 2

propylene glycol monoethyl ether

Content (W/W):  $\geq 15\%$  -  $< 20\%$     Flam. Liq.: Cat. 3  
CAS Number: 1569-02-4    STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 3\%$  -  $< 5\%$     Eye Dam./Irrit.: Cat. 1  
CAS Number: 126-86-3    Skin Sens.: Cat. 1B  
Aquatic Acute: Cat. 3  
Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W):  $\geq 1\%$  -  $< 2\%$     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  
Eye Dam./Irrit.: Cat. 1  
STOT SE: Cat. 3 (irr. to respiratory syst.)  
Aquatic Acute: Cat. 3

[N,N,N',N',N'',N''-Hexaethyl-29H,31H-phthalocyaninetrimethylaminato(2-)-N29,N30,N31,N32]copper

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$     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. 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.

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**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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;

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TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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  
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.

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Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	blue	
Odour:	of glycol	
Odour threshold:	No data available.	
pH value:	6.0 - 9.0	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	51 °C	(ISO 3679)
Evaporation rate:	No data available.	
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Upper explosion limit:	No data available.	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.045 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	

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Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

### Acute inhalation toxicity

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.

### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### 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)**

Based on available data, the classification criteria are not met.

### **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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)



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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)

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### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

---

## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3Y  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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Date of print: 12.04.2023

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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: 12.04.2023

Product: **45-W1540 1L Basecoat**

Version: 6.0

(50389663/SDS\_GEN\_NZ/EN)

Date of print: 13.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1540 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:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.1

Skin sensitization: Cat.1B

Flammable liquids: Cat.3

Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
CAS Number: 111-76-2  
Flam. Liq.: Cat. 4  
Eye Dam./Irrit.: Cat. 2A  
Acute Tox.: Cat. 4 (oral)  
Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W):  $\geq 10\%$  -  $< 12.5\%$   
CAS Number: 78-92-2  
Flam. Liq.: Cat. 3  
Eye Dam./Irrit.: Cat. 2A  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 126-86-3  
Eye Dam./Irrit.: Cat. 1  
Skin Sens.: Cat. 1B  
Aquatic Acute: Cat. 3  
Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
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

### 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.



**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

**9. Physical and Chemical Properties**

Form:	liquid
Colour:	blue
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	45 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	0.986 g/cm <sup>3</sup> (20 °C)
Relative vapour density (air):	Heavier than air.
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures

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Viscosity, kinematic:	621.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 90 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

### Acute inhalation toxicity

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.

### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### 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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### **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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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Date of print: 13.04.2023

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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: 16.04.2023  
Product: **45-W1541 0,5L Basecoat**

Version: 3.0

(50782288/SDS\_GEN\_NZ/EN)

Date of print: 16.05.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1541 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:  
Acute toxicity: Cat.5 (oral)  
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.)  
Acute toxicity: Cat.5 (Inhalation - vapour)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use 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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical attention.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
------	---

Other hazards which do not result in classification:



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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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

##### 2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	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

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Content (W/W):  $\geq 0.1\%$  -  $< 0.2\%$  Eye Dam./Irrit.: Cat. 1  
CAS Number: 126-86-3 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. 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, allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

### Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### 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.

butyl rubber gloves - material thickness: 0.5 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.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	blue
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	36 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined

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	(50 °C)	
	not determined	
Density:	0.968 g/cm <sup>3</sup>	
	(20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	(40 °C)	
	not determined	
	411.6 mm <sup>2</sup> /s	
	(20 °C)	
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.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### **Acute inhalation toxicity**

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.

#### **Symptoms**

Eye irritation allergic symptoms 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:

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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:



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Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### Bioaccumulation potential

Bioaccumulation potential:

No data available.

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

IERG Number:14

### Sea transport

IMDG

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UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number HSR002662

Surface Coatings and Colourants (Flammable) Group Standard 2017

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Product: **45-W1610 1L Basecoat**

Version: 5.0

(50386523/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1610 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:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.2A

Skin sensitization: Cat.1B

Flammable liquids: Cat.3

| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 5\%$ - $< 7\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

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Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

---

## 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, allergic symptoms, 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.  
Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.



Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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.  
butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	green	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	28 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.003 g/cm <sup>3</sup> (20 °C)	
Relative density:	1.003	
Relative vapour density (air):	Heavier than air.	

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Product: **45-W1610 1L Basecoat**

Version: 5.0

(50386523/SDS\_GEN\_NZ/EN)

Date of print: 27.03.2024

Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

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., In case of fire may produce hydrogen halide vapours., 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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### **Symptoms**

Eye irritation allergic symptoms 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:

Eye contact causes irritation. Skin contact causes irritation.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
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### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

**Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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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BASF Safety data sheet

Date / Revised: 17.10.2018

Product: **45-W1620 1L Basecoat AU**

Version: 2.0

(50386538/SDS\_GEN\_NZ/EN)

Date of print 01.07.2022

## 1. Substance/preparation and manufacturer/supplier identification

### 45-W1620 1L Basecoat AU

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:

Acute toxicity: Cat. 4 (oral)

Acute toxicity: Cat. 5 (dermal)

Skin corrosion/irritation: Cat. 2

Serious eye damage/eye irritation: Cat. 2A

Skin sensitization: Cat. 1B

Flammable liquids: Cat. 3

Acute toxicity: Cat. 5 (Inhalation - vapour)

Label elements and precautionary statement:



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Pictogram:



Signal Word:

Warning

Hazard Statement:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H313	May be harmful in contact with skin.
H333	May be harmful if inhaled.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H226	Flammable liquid and vapour.

Precautionary Statements (Prevention):

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash with plenty of water and soap thoroughly after handling.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical/ventilating/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.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/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.
P363	Wash contaminated clothing before reuse.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P321	Specific treatment (see on this label).
P330	Rinse mouth.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

## Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### 3. Composition/information on ingredients

#### Chemical nature

organic solvent, pigment, polyurethane

#### Hazardous ingredients

butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

2-butoxyethanol

Content (W/W): $\geq 30\%$ - $< 50\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Acute Tox.: Cat. 4 (Inhalation - vapour)
	Acute Tox.: Cat. 4 (oral)
	Acute Tox.: Cat. 4 (dermal)
	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 2A

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

### 4. First-Aid Measures

#### General advice:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**If inhaled:**

Remove affected person from danger area. Keep warm, calm and covered up. If breathing is irregular or stopped, administer artificial respiration. Seek medical assistance. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

**On skin contact:**

Remove contaminated clothing. Wash skin with soap and water, rinse abundantly. Do NOT use solvents or thinners.

**On contact with eyes:**

Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water or a special eyewash solution. Seek medical assistance.

**On ingestion:**

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

**Note to physician:**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Treatment: No data available.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

Foam (alcohol resistant), carbon dioxide, powders, water spray. Do not allow run-off from fire fighting to enter drains or water courses.

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Due to the organic compound content of the preparation, 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.

---

## 6. Accidental Release Measures

**Personal precautions:**

Due to the organic solvents' content of the product, exclude sources of ignition. Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Ensure adequate ventilation. Avoid breathing vapours.

**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.

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.

---

## 7. Handling and Storage

### Handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. Avoid inhalation of dust from sanding. 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. 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. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. Keep container dry and tightly closed in a cool well-ventilated place. Avoid all sources of ignition: heat, sparks, open flame. Do not use any sparking tools.

Avoid contact with skin and eyes. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. Avoid inhalation of vapour and spray mist.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: Stainless steel 1.4301 (V2), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Electrical equipment must be explosion-proof to the appropriate standard. Floors must be of conducting type and impermeable to the materials being stored. Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. Close containers carefully once opened and store upright in order to prevent any leakage. No smoking. Prevent unauthorized access. Detailed information can be gained from the relevant technical data sheets. Always keep in containers of same material as the original one. Observe label precautions. Store in a dry, well ventilated place. Protect from direct sunlight. Keep away from sources of ignition. Keep away from heat.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

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TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

### 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. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet (sanding/ flattening) should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. 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:

The country-specific occupational exposure limits applicable to the substances specified in section 3 must be taken into account. 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.

---

## 9. Physical and Chemical Properties

Form: liquid  
Colour: green  
Odour: specific

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Flash point:	37 °C
Flammability (solid/gas):	not applicable
Lower explosion limit:	36 g/m <sup>3</sup>
Density:	1.030 g/cm <sup>3</sup>
Miscibility with water:	miscible
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s
Flow time:	> 60 s (DIN EN ISO 2431; 6 mm)

## 10. Stability and Reactivity

Conditions to avoid:  
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:  
No hazardous reactions if stored and handled as prescribed/indicated.  
The product is stable if stored and handled as prescribed/indicated.

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., In case of fire may produce hydrogen halide vapours.

## 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.

Of moderate toxicity after single ingestion. Of low toxicity after short-term skin contact.

### Irritation

Assessment of irritating effects:  
Eye contact causes irritation. Skin contact causes irritation.

The liquid splashed in the eyes may cause irritation and reversible damage.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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:  
Based on available Data, the classification criteria are not met.

### **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:

(50386538/SDS\_GEN\_NZ/EN)

Date of print 01.07.2022

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available Data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

### **Additional information**

Add. remarks environm. fate & pathway:

The product contains organic halogen compounds which may contribute to the AOX value.

---

## **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.

Dispose of in accordance with national, state and local regulations.

---



## 14. Transport Information

### Domestic transport:

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Marine pollutant: NO  
Proper shipping name: PAINT

### Air transport

#### IATA/ICAO

Packing group: III  
ID number: UN 1263  
Transport hazard class(es): 3  
Proper shipping name: PAINT

---

## 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.

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017  
HSNO Classification: 3.1C 6.1D 6.1E 6.3A 6.4A 6.5B

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

### Registration status:

BASF Safety data sheet  
Date / Revised: 17.10.2018  
Product: **45-W1620 1L Basecoat AU**

Version: 2.0

(50386538/SDS\_GEN\_NZ/EN)

Date of print 01.07.2022

NZIOC, NZ

released / listed

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## 16. Other Information

Recommended use: Sprayable

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

Page: 1/12

BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W1621 0,5L Basecoat**

Version: 3.0

(50442443/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1621 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.2A  
Skin sensitization: Cat.1B  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
Warning

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.

## Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

## 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

organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

##### 2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### propylene glycol monoethyl ether

Content (W/W): $\geq 10\%$ - $< 12.5\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W1621 0,5L Basecoat**

Version: 3.0

(50442443/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

Content (W/W): $\geq 0.5\%$ - $< 1\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

---

## 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, allergic symptoms, 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.  
Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.



BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W1621 0,5L Basecoat**

Version: 3.0

(50442443/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

**Body protection:**

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	green	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	33 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.030 g/cm <sup>3</sup> (20 °C)	
Relative density:	1.030	
Relative vapour density (air):	Heavier than air.	

BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W1621 0,5L Basecoat**

Version: 3.0

(50442443/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C)	
	No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

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., In case of fire may produce hydrogen halide vapours., 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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### **Symptoms**

Eye irritation allergic symptoms 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:

Eye contact causes irritation. Skin contact causes irritation.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:  
No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### Bioaccumulation potential

Bioaccumulation potential:  
No data available.

BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W1621 0,5L Basecoat**

Version: 3.0

(50442443/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

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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: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

**Other regulations**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO Approval Number 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: 10.04.2023  
Product: **45-W1910 0,5L Basecoat**

Version: 5.0

(50388081/SDS\_GEN\_NZ/EN)

Date of print: 12.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1910 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:

Acute toxicity: Cat.5 (oral)

Acute toxicity: Cat.5 (Inhalation - vapour)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.1

Skin sensitization: Cat.1B

Specific target organ toxicity — single exposure: Cat.3 (Vapours may cause drowsiness and dizziness.)

Flammable liquids: Cat.3

Label elements and precautionary statement:

## Pictogram:



Signal Word:  
 Danger

## Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.
H336	May cause drowsiness or dizziness.

## Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

## Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

## Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
------	---



Other hazards which do not result in classification:  
 If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

fillers, organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### propylene glycol monoethyl ether

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

sulphanilic acid

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Content (W/W):  $\geq 0.3\%$  -  $< 0.5\%$  Skin Corr./Irrit.: Cat. 2  
CAS Number: 121-57-3 Eye Dam./Irrit.: Cat. 2A  
Skin Sens.: Cat. 1  
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: allergic symptoms, dazed state, skin irritation, dizziness, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

### Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### 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

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

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**Eye protection:**

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	black
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	59 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined

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Density:	0.981 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include

headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

#### **Acute inhalation toxicity**

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.

#### **Symptoms**

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

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### **Bioaccumulation potential**

Bioaccumulation potential:

No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: 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

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Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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Date / Revised: 25.03.2024  
Product: **45-W1920 1L Basecoat**

Version: 6.0

(50388840/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1920 1L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.1

Skin sensitization: Cat.1B

Flammable liquids: Cat.3

| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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.

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, organic solvent, pigment, polyurethane

#### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

propylene glycol monoethyl ether

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
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.: Cat. 1B  
Eye Dam.: Cat. 1  
Aquatic Acute: Cat. 3  
STOT SE: Cat. 3 (irr. to respiratory syst.)

---

## 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: allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

### Suitable extinguishing media:

carbon dioxide, alcohol-resistant foam, dry powder, water spray

### Unsuitable extinguishing media for safety reasons:

water jet

### Specific hazards:

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

Special protective equipment:  
Appropriate breathing apparatus may be required.

Further information:  
Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

### Personal precautions:

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.



Suitable materials for containers: 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.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)

TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Biological Exposure Indices:

No data available.

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

**Body protection:**

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

**General safety and hygiene measures:**

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

---

## 9. Physical and Chemical Properties

Form:	liquid
Colour:	black
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	34 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m <sup>3</sup>
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self heating ability:	It is not a material capable of spontaneous heating
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	(20 °C) not determined  (50 °C) not determined
Density:	0.964 g/cm <sup>3</sup> (20 °C)
Relative density:	0.964
Relative vapour density (air):	Heavier than air.

BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W1920 1L Basecoat**

Version: 6.0

(50388840/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

Miscibility with water:

miscible

Partitioning coefficient n-octanol/water (log Pow):

not applicable for mixtures

Viscosity, kinematic:

(40 °C)

No data available.

411.6 mm<sup>2</sup>/s

(23 °C)

Flow time:

&gt; 60 s

(DIN EN ISO 2431; 6 mm)

(23 °C)

---

## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause

some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

#### **Symptoms**

allergic symptoms 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:

Skin contact causes irritation. May cause severe damage to the eyes.

#### **Respiratory/Skin sensitization**

Assessment of sensitization:

Sensitization after skin contact possible.

#### **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)**

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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)  
-----

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

---

## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

---

## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y  
IERG Number:14

### Sea transport

#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: Marine pollutant: NO  
EmS: F-E; S-E

### Air transport

#### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## 15. Regulatory Information

**Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) 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: 01.02.2024  
Product: **45-W1921 0,5L Basecoat**

Version: 6.0

(50782270/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1921 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat.5 (oral)

Skin corrosion/irritation: Cat.2

Serious eye damage/eye irritation: Cat.2A

Flammable liquids: Cat.3

| Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)

Label elements and precautionary statement:

Pictogram:





Signal Word:  
Warning

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash contaminated body parts thoroughly after handling.
P242	Use 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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary Statements (Response):

P312	Call a POISON CENTER or physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P332 + P313	If skin irritation occurs: Get medical attention.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313	If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

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, organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Dam./Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	Flam. Liq.: Cat. 3
CAS Number: 78-92-2	Eye Dam./Irrit.: Cat. 2A
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

##### propylene glycol monoethyl ether

Content (W/W): $\geq 7\%$ - $< 10\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

##### 2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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
	Eye Dam./Irrit.: Cat. 1
	STOT SE: Cat. 3 (irr. to respiratory syst.)
	Aquatic Acute: Cat. 3

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 0.2\%$ - $< 0.3\%$	Eye Dam./Irrit.: Cat. 1
CAS Number: 126-86-3	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. 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, allergic symptoms, 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.

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on

product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container dry. Keep away from heat. Keep in a cool, well-ventilated place. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions.

---

## 8. Exposure controls and personal protection

### Components with occupational exposure limits

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Date / Revised: 01.02.2024  
Product: **45-W1921 0,5L Basecoat**

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Date of print: 02.02.2024

butan-2-ol, 78-92-2;

TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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.  
butyl rubber gloves - material thickness: 0.5 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

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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Product: **45-W1921 0,5L Basecoat**

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(50782270/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	black	
Odour:	of glycol	
pH value:	6.0 - 9.0	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	34 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	Unspecified	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	0.973 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	(40 °C) No data available. 411.6 mm <sup>2</sup> /s (23 °C)	

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Version: 6.0

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Date of print: 02.02.2024

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.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

### Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

### Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

### Chemical stability:

The product is stable if stored and handled as prescribed/indicated.

### Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

---

## 11. Toxicological Information

### Routes of exposure

#### Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### **Acute oral toxicity**

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

### **Symptoms**

Eye irritation allergic symptoms 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:

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)**

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:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### Mobility

Assessment transport between environmental compartments:

No data available.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

### 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

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Date of print: 02.02.2024

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 user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

---

## **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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BASF Safety data sheet  
Date / Revised: 01.02.2024  
Product: **45-W1921 0,5L Basecoat**

Version: 6.0

(50782270/SDS\_GEN\_NZ/EN)

Date of print: 02.02.2024

Tracking requirements do not apply to this substance.  
A certified handler is not required for the handling of this substance.

---

## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 25.03.2024  
Product: **45-W1930 0,5L Basecoat**

Version: 4.0

(50386542/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1930 0,5L Basecoat**

Use: Basecoat product

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

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## 2. Hazard identification

Classification of the substance and mixture:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3

Label elements and precautionary statement:

Pictogram:



Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P272	Contaminated work clothing should not be allowed out of the workplace.
P240	Ground and bond container and receiving equipment.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use non-sparking tools.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P310	Immediately call a POISON CENTER or physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray for extinction.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
-------------	--

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

organic solvent, pigment, polyurethane

### **Hazardous ingredients**

2-butoxyethanol

Content (W/W): $\geq 25\%$ - $< 30\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	Eye Irrit.: Cat. 2A
	Acute Tox.: Cat. 4 (oral)
	Skin Irrit.: Cat. 2

propylene glycol monoethyl ether

Content (W/W): $\geq 15\%$ - $< 20\%$	Flam. Liq.: Cat. 3
CAS Number: 1569-02-4	STOT SE: Cat. 3 (drowsiness and dizziness)

2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W): $\geq 3\%$ - $< 5\%$	Eye Dam.: Cat. 1
CAS Number: 126-86-3	Skin Sens.: Cat. 1B
	Aquatic Acute: Cat. 3
	Aquatic Chronic: Cat. 3

2-dimethylaminoethanol

Content (W/W): $\geq 1\%$ - $< 2\%$	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.: Cat. 1B
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 3
	STOT SE: Cat. 3 (irr. to respiratory syst.)

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## **4. First-Aid Measures**

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Remove affected person from danger area. 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Antidote: No known specific antidote.

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## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

**Environmental precautions:**

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

**Methods for cleaning up or taking up:**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste

regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

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## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: 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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))

STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.



Biological Exposure Indices:  
No data available.

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection: e.g. half-mask with A1P2 class combination filter

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: 0,35 mm

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible.

Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.

Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	black
Odour:	of glycol
pH value:	6.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined

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Flash point:	51 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.036 g/cm <sup>3</sup> (20 °C)	
Relative density:	1.036	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (23 °C)	
	(40 °C) No data available.	
Flow time:	> 60 s (23 °C)	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermic reactions.

**Hazardous reactions:**

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

#### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

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### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:  
Sensitization after skin contact possible.

### **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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

## Bioaccumulation potential

Bioaccumulation potential:

No data available.

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## 13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for user: None known

### Further information

Hazchem Code:3Y

IERG Number:14

### Sea transport

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#### IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-E

#### Air transport

##### IATA/ICAO

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

#### Further information

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## 15. Regulatory Information

### Other regulations

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## 16. Other Information

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Date / Revised: 25.03.2024  
Product: **45-W1930 0,5L Basecoat**

Version: 4.0

(50386542/SDS\_GEN\_NZ/EN)

Date of print: 26.03.2024

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# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 04.04.2023  
Product: **45-W1990 0,5L Basecoat**

Version: 5.0

(50386512/SDS\_GEN\_NZ/EN)

Date of print: 05.04.2023

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**45-W1990 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:  
Acute toxicity: Cat.5 (oral)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Skin sensitization: Cat.1B  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (Inhalation - vapour)

Label elements and precautionary statement:

Pictogram:





Signal Word:  
 Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H333	May be harmful if inhaled.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash contaminated body parts thoroughly after handling.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P370 + P378	In case of fire: Use water spray for extinction.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P310	Immediately call a POISON CENTER or physician.
P333 + P313	If skin irritation or rash 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 + P312	IF INHALED: Call a POISON CENTER or physician if you feel unwell.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
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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

organic solvent, pigment, polyurethane

#### Hazardous ingredients

##### 2-butoxyethanol

Content (W/W):  $\geq 30\%$  -  $< 50\%$   
CAS Number: 111-76-2  
Flam. Liq.: Cat. 4  
Eye Dam./Irrit.: Cat. 2A  
Acute Tox.: Cat. 4 (oral)  
Skin Corr./Irrit.: Cat. 2

##### butan-2-ol

Content (W/W):  $\geq 12.5\%$  -  $< 15\%$   
CAS Number: 78-92-2  
Flam. Liq.: Cat. 3  
Eye Dam./Irrit.: Cat. 2A  
STOT SE: Cat. 3 (drowsiness and dizziness)  
STOT SE: Cat. 3 (irr. to respiratory syst.)

##### 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Content (W/W):  $\geq 3\%$  -  $< 5\%$   
CAS Number: 126-86-3  
Eye Dam./Irrit.: Cat. 1  
Skin Sens.: Cat. 1B  
Aquatic Acute: Cat. 3  
Aquatic Chronic: Cat. 3

##### 2-dimethylaminoethanol

Content (W/W):  $\geq 0.5\%$  -  $< 1\%$   
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

### 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: allergic symptoms, skin irritation, Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Treatment: Symptomatic treatment (decontamination, vital functions).

Antidote: No known specific antidote.

---

## 5. Fire-Fighting Measures

**Suitable extinguishing media:**

carbon dioxide, alcohol-resistant foam, dry powder, water spray

**Unsuitable extinguishing media for safety reasons:**

water jet

**Specific hazards:**

Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special protective equipment:**

Appropriate breathing apparatus may be required.

**Further information:**

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

---

## 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapours. For non-emergency personnel: Use personal protective clothing. Ensure adequate ventilation. Keep away from sources of ignition. For emergency responders: Advice on product handling can be found in sections 7 and 8 of this safety data sheet. Information regarding personal protective measures, see section 8.

#### Environmental precautions:

Do not allow to enter drains or waterways. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency. Do not discharge into the subsoil/soil.

#### Methods for cleaning up or taking up:

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents. Ensure adequate ventilation.

---

## 7. Handling and Storage

### Handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Do not return residues to the storage containers. Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

### Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Product may charge electrostatically: always use earthing leads when transferring from one container to another and earth containers. It is recommended that operators should wear antistatic clothing and footwear. Solvent vapours are heavier than air and spread along floors. Vapour forms explosive mixtures with air. The relevant fire protection measures should be noted. Use explosion-proof equipment.

### Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene (PP), 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.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

butan-2-ol, 78-92-2;

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TWA value 100 ppm (ACGIHTLV)  
TWA value 303 mg/m<sup>3</sup> ; 100 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m<sup>3</sup> ; 2 ppm (OEL (NZ))  
STEL value 22 mg/m<sup>3</sup> ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)  
TWA value 121 mg/m<sup>3</sup> ; 25 ppm (OEL (NZ))  
Skin Designation (OEL (NZ))  
Skin absorption can be significant.

Biological Exposure Indices:  
No data available.

#### 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.

butyl rubber gloves - material thickness: 0.5 mm

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166), Required when there is a risk of eye contact.

Body protection:

Anti-static protective clothing, Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

General safety and hygiene measures:

Do not breathe vapour/spray. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. This can be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

## 9. Physical and Chemical Properties

Form:	liquid	
Colour:	black	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	36 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m <sup>3</sup>	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.057 g/cm <sup>3</sup> (20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	

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Viscosity, kinematic:	411.6 mm <sup>2</sup> /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

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## 10. Stability and Reactivity

Conditions to avoid:

Avoid heat. Avoid direct sunlight. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

Keep away from highly acidic or alkaline substances as well as oxidants in order to prevent exothermal reactions.

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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.

Virtually nontoxic by inhalation. Of low toxicity after single ingestion.

Information on: 2-dimethylaminoethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 2-butoxyethanol

### Acute oral toxicity

Experimental/calculated data:

LD50 guinea pig (oral): 1,200 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

### Acute inhalation toxicity

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.

### Symptoms

allergic symptoms skin irritation Information, i.e. additional information on 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:

Skin contact causes irritation. May cause severe damage to the eyes.

### Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

### 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)**

Based on available data, the classification criteria are not met.

### **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:  
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available data, the classification criteria are not met.

### **Mobility**

Assessment transport between environmental compartments:  
No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Biological degradability of hazardous substances mentioned in section 3:

Information on: 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: 2,4,7,9-Tetramethyldec-5-yne-4,7-diol

Elimination information:

< 10 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic)

< 20 % CO<sub>2</sub> formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

25.4 % DOC reduction (57 d) (OECD Guideline 302 A) (aerobic, activated sludge, domestic)

< 10 % (28 d) (OECD Guideline 302 B) (aerobic, activated sludge, domestic)

### **Bioaccumulation potential**

Bioaccumulation potential:  
No data available.

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## **13. Disposal Considerations**

Do not discharge into drains/surface waters/groundwater.  
Observe national and local legal requirements.

Contaminated packaging:  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## **14. Transport Information**

### **Domestic transport:**

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Special precautions for user: None known

### **Further information**

Hazchem Code:3Y  
IERG Number:14

### **Sea transport**

IMDG

UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no

Marine pollutant: NO

Special precautions for user: EmS: F-E; S-E

### **Air transport**

IATA/ICAO

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UN number or ID number: UN 1263  
UN proper shipping name: PAINT  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

### **Further information**

Not dangerous goods of class 3 in packages up to 450 litres capacity (valid for ADR, ADNR, RID, TDG and USDOT).

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## **15. Regulatory Information**

### **Other regulations**

HSNO Approval Number HSR002662  
Surface Coatings and Colourants (Flammable) Group Standard 2017

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

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## **16. Other Information**

For multi-pack systems observe material safety data sheets of all components. Restricted to professional users.

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Vertical lines in the left hand margin indicate an amendment from the previous version.

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