



Baslac Safety Data Sheets

49 LINE

NEW ZEALAND

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Safety data sheet

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BASF Safety data sheet
Date / Revised: 25.03.2024
Product: **49-W408 0,100L Basecoat**

Version: 5.0

(50490057/SDS_GEN_NZ/EN)

Date of print: 26.03.2024

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W408 0,100L Basecoat

Use: Coatings and related products

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 (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.
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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

fillers, organic solvent, pigment

fillers, organic solvent, pigment, polyurethane

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 25\%$ - $< 30\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

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.)

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 CAS Number: 126-86-3

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

1-methoxypropan-2-ol

Content (W/W): $\geq 25\%$ - $< 30\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

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Content (W/W): $\geq 2\%$ - $< 2.5\%$	Flam. Liq.: Cat. 4
CAS Number: 111-76-2	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): $\geq 2\%$ - $< 2.5\%$	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.

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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.

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.

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Antidote: No known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

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

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.

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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.

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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.

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Methods for cleaning up or taking up:

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

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.

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Storage

Keep away from oxidising agents, from strongly alkaline and strongly acid materials.
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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.
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/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
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TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 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.

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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

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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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.

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.

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. 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:	off-white with pearly reflection	
Odour:	No data available.	
pH value:	substance/mixture is non-polar/aprotic	
	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	not determined	
	not determined	
	not determined	
Flash point:	34 °C	(ASTM D3278)
Flammability (solid/gas):	Flammable liquid and vapour. Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
Ignition temperature:	> 200.00 °C > 200 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a substance 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	
	(50 °C) not determined	
	(20 °C) not determined	

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	(50 °C)	
	not determined	
Density:	1.064 g/cm ³	
	(20 °C)	
	1.072 g/cm ³	
	(20 °C)	
Relative density:	1.0718	
	(20 °C)	
Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	656.5 mm ² /s	
	(20 °C)	
	(40 °C)	
	not determined	
Flow time:	> 95 s	(DIN EN ISO 2431; 6 mm)
	55 s	(DIN EN ISO 2431; 3 mm)
	(23 °C)	
Solids content:	53.32 %	

10. Stability and Reactivity

Conditions to avoid:

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

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

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

Substances to avoid:

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

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.

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.

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

Information on: 1-methoxypropan-2-ol

Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 4,016 mg/kg (similar to OECD guideline 401)

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.

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 (H₂O):

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))

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

Elimination information:

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

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

Bioaccumulation potential

Bioaccumulation potential:

No data available.

No data available.

13. Disposal Considerations

Observe national and local legal requirements.

No disposal via sewage or waste water systems.

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.

BASF Safety data sheet
Date / Revised: 25.03.2024
Product: **49-W408 0,100L Basecoat**

Version: 5.0

(50490057/SDS_GEN_NZ/EN)

Date of print: 26.03.2024

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

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.

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.

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: 17.05.2022
Product: **49-W410 0,100L Basecoat**

Version: 6.0

(50394624/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W410 0,100L Basecoat

Use: Tinting

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:

(50394624/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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): $\geq 20\%$ - $< 25\%$	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: Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), 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

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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

(50394624/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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: gold colour
 Odour: aromatic
 Odour threshold: No applicable information available.

pH value: 8.3

Melting point: not determined

onset of boiling: not determined

Flash point: > 32 °C

Evaporation rate: No applicable information available.

Flammability (solid/gas): Flammable liquid and vapour.

Lower explosion limit: 36 g/m³

Upper explosion limit: 13.74 %(V)

Ignition temperature: > 200.00 °C

Thermal decomposition: No applicable information available.

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: 1.100 g/cm³

(20 °C)

Relative density: 1.3017

(20 °C)

Relative vapour density (air):
 No applicable information available.

Solubility in water: No applicable information available.

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Date / Revised: 17.05.2022
Product: **49-W410 0,100L Basecoat**

Version: 6.0

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Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	411.6 mm ² /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.

Thermal decomposition: No applicable information available.

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. 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 (H₂O):

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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

BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W410 0,100L Basecoat**

Version: 6.0

(50394624/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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: 17.05.2022
Product: **49-W420 0,100L Basecoat**

Version: 7.0

(50392869/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W420 0,100L Basecoat

Use: Tinting

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 (Vapours 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 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

inorganic compounds, organic solvent, pigment, polyurethane

Hazardous ingredients

propan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	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)

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

BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W420 0,100L Basecoat**

Version: 7.0

(50392869/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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.

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.

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Date of print 06.06.2022

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 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

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

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

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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:	orange
Odour:	specific
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 23 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
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

BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W420 0,100L Basecoat**

Version: 7.0

(50392869/SDS_GEN_NZ/EN)

Date of print 06.06.2022

Density:	1.000 g/cm ³ (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm ² /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: propan-2-ol

Experimental/calculated data:

LD50 rat (oral): 4,396 mg/kg (other)

Literature data.

Information on: 1-methoxypropan-2-ol
Experimental/calculated data:
LD50 rat (oral): 4,016 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol
Experimental/calculated data:
LD50 rat (oral): 1,183 mg/kg (OECD Guideline 401)

Information on: 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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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: 08.02.2024
Product: **49-W421 0,100L Basecoat**

Version: 1.0

(50827361/SDS_GEN_NZ/EN)

Date of print: 29.02.2024

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W421 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.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.2

Label elements and precautionary statement:

Pictogram:



Signal Word:
 Danger

Hazard Statement:

H225 Highly 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.
 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.
 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.
 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

inorganic compounds, 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)

propan-2-ol

Content (W/W): $\geq 7\%$ - $< 10\%$ 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): $\geq 1\%$ - $< 2\%$ 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

BASF Safety data sheet
Date / Revised: 08.02.2024
Product: **49-W421 0,100L Basecoat**

Version: 1.0

(50827361/SDS_GEN_NZ/EN)

Date of print: 29.02.2024

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.

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: tinned carbon steel (Tinplate), Low density polyethylene (LDPE), High density polyethylene (HDPE), glass, Carbon steel (Iron), Stainless steel 1.4301 (V2), Polypropylene (PP), Polyethylenetherephtalate (PET)

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

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

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

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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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Date / Revised: 08.02.2024
Product: **49-W421 0,100L Basecoat**

Version: 1.0

(50827361/SDS_GEN_NZ/EN)

Date of print: 29.02.2024

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:

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:	gold colour	
Odour:	aromatic	
Odour threshold:	not determined	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	not determined	
Flash point:	21 °C	(ASTM D3278)
Evaporation rate:	not determined	
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
Upper explosion limit:	not determined	
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	

BASF Safety data sheet
Date / Revised: 08.02.2024
Product: **49-W421 0,100L Basecoat**

Version: 1.0

(50827361/SDS_GEN_NZ/EN)

Date of print: 29.02.2024

Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

Vapour pressure:
(20 °C)
not determined

(50 °C)
not determined

Density: 1.113 g/cm³
(20 °C)

Relative vapour density (air):
Heavier than air.

Solubility in water: not determined

Miscibility with water:
miscible

Partitioning coefficient n-octanol/water (log Pow):
not applicable for mixtures

Viscosity, kinematic: 621.6 mm²/s
(23 °C)

(40 °C)
No data available.

Flow time: > 90 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

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 (H₂O):

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

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

Bioaccumulation potential

Bioaccumulation potential:

No data available.

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Date / Revised: 08.02.2024
Product: **49-W421 0,100L Basecoat**

Version: 1.0

(50827361/SDS_GEN_NZ/EN)

Date of print: 29.02.2024

13. Disposal Considerations

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

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

14. Transport Information

Domestic transport:

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

Special precautions for user: None known

Further information

Hazchem Code:3YE
IERG Number:14

Sea transport

IMDG

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

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

Air transport

IATA/ICAO

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

15. Regulatory Information

Other regulations

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

Tracking requirements do not apply to this substance.

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

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16. Other Information

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

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

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

Safety data sheet

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BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W425 0,100L Basecoat**

Version: 6.0

(50394626/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W425 0,100L Basecoat

Use: Tinting

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): $\geq 20\%$ - $< 25\%$	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

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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: 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 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/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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

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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: orange
 Odour: aromatic
 Odour threshold: No applicable information available.

pH value: 7.9

Melting point: not determined

onset of boiling: not determined

Flash point: > 51 °C

Evaporation rate: No applicable information available.

Flammability (solid/gas): Flammable liquid and vapour.

Lower explosion limit: 36 g/m³

Upper explosion limit: 13.74 %(V)

Ignition temperature: > 200.00 °C

Thermal decomposition: No applicable information available.

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/cm³
 (20 °C)

Relative density: 1.2623
 (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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Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	691.3 mm ² /s (20 °C)	
	(40 °C) not determined	
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.

Thermal decomposition: No applicable information available.

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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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

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Product: **49-W425 0,100L Basecoat**

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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 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: 17.05.2022
Product: **49-W430 0,100L Basecoat**

Version: 6.0

(50394680/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W430 0,100L Basecoat

Use: Tinting

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

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

| Naphtha (petroleum), heavy alkylate; low boiling

Content (W/W): $\geq 2.5\%$ - $< 3\%$	Asp. Tox.: Cat. 1
CAS Number: 64741-65-7	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:

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

Naphtha (petroleum), heavy alkylate; low boiling, 64741-65-7;

TWA value 1,600 mg/m³ ; 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.
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:	reddish
Odour:	aromatic
Odour threshold:	No applicable information available.
pH value:	7.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 50 °C
Evaporation rate:	No applicable information available.
Flammability (solid/gas):	Flammable liquid and vapour.
Upper explosion limit:	13.74 %(V)
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No applicable information available.
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:	1.200 g/cm ³ (20 °C)

BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W430 0,100L Basecoat**

Version: 6.0

(50394680/SDS_GEN_NZ/EN)

Date of print 06.06.2022

Relative density:	1.2231 (20 °C)	
Relative vapour density (air):	No applicable information available.	
Solubility in water:	No applicable information available.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	691.3 mm ² /s (20 °C)	
	(40 °C)	
	not determined	
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.

Thermal decomposition: No applicable information available.

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

(50394680/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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: 19.05.2022
Product: **49-W436 0,100L Basecoat**

Version: 2.0

(50509840/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W436 0,100L Basecoat

Use: Coatings and related products

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

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 20\%$ - $< 25\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

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

1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

Content (W/W): $\geq 1\%$ - $< 2\%$
 CAS Number: 111-76-2

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

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

Content (W/W): $\geq 1\%$ - $< 2\%$
 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

(50509840/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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), Polyethyleneterephthalate (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

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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

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:	specific
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	119.00 °C
Flash point:	33 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
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:	1.224 g/cm ³ (20 °C)
Miscibility with water:	immiscible
Viscosity, kinematic:	656.5 mm ² /s (20 °C)
	(40 °C) not determined
Flow time:	> 95 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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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.

BASF Safety data sheet
Date / Revised: 19.05.2022
Product: **49-W436 0,100L Basecoat**

Version: 2.0

(50509840/SDS_GEN_NZ/EN)

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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BASF Safety data sheet
Date / Revised: 20.05.2022
Product: **49-W441 0,100L Basecoat**

Version: 3.0

(50529326/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W441 0,100L Basecoat

Use: Coatings and related products

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.
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Other hazards which do not result in classification:

(50529326/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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

Hazardous ingredients

| 1-methoxypropan-2-ol

Content (W/W): $\geq 20\%$ - $< 25\%$	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: 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. 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 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

1-methoxypropan-2-ol, 107-98-2;	TWA value 50 ppm (ACGIHTLV) STEL value 100 ppm (ACGIHTLV) TWA value 369 mg/m ³ ; 100 ppm (OEL (NZ)) STEL value 553 mg/m ³ ; 150 ppm (OEL (NZ))
2-dimethylaminoethanol, 108-01-0;	TWA value 7.4 mg/m ³ ; 2 ppm (OEL (NZ)) STEL value 22 mg/m ³ ; 6 ppm (OEL (NZ))
2-butoxyethanol, 111-76-2;	TWA value 20 ppm (ACGIHTLV) TWA value 121 mg/m ³ ; 25 ppm (OEL (NZ)) Skin Designation (OEL (NZ)) Skin absorption can be significant.

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

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

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Date of print 06.06.2022

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:	specific
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	119 °C
Flash point:	32 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
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:	1.280 g/cm ³ (20 °C)
Miscibility with water:	immiscible
Viscosity, kinematic:	656.5 mm ² /s (20 °C)
	(40 °C) not determined
Flow time:	> 95 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:

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.

| 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. 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:

(50529326/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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.

BASF Safety data sheet

Date / Revised: 20.05.2022

Product: **49-W441 0,100L Basecoat**

Version: 3.0

(50529326/SDS_GEN_NZ/EN)

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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BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W443 0,100L Basecoat**

Version: 6.0

(50398339/SDS_GEN_NZ/EN)

Date of print 18.01.2024

1. Substance/preparation and manufacturer/supplier identification

49-W443 0,100L Basecoat

Use: Tinting

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

inorganic compounds, organic solvent, pigment, polyurethane

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 20\%$ - $< 25\%$	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. 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)

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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:	violet	
Odour:	aromatic	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 119.00 °C	
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
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:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.184 g/cm ³ (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm ² /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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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.

BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W443 0,100L Basecoat**

Version: 6.0

(50398339/SDS_GEN_NZ/EN)

Date of print 18.01.2024

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

Safety data sheet

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BASF Safety data sheet
Date / Revised: 11.01.2019
Product: **49-W449 0,100L Basecoat**

Version: 5.2

(50394627/SDS_GEN_NZ/EN)

Date of print 27.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W449 0,100L Basecoat

Use: Tinting

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/eye protection/face protection.
 P271 Use only outdoors or in a well-ventilated area.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 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.
 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.
 P321 Specific treatment (see on this label).
 P310 Immediately call a POISON CENTER or doctor/physician.
 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 + 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/container to hazardous or special waste collection point.

3. Composition/information on ingredients

Chemical nature

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

2-butoxyethanol

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

naphtha (petroleum), heavy alk

Content (W/W): $\geq 3\%$ - $< 5\%$ Asp. Tox.: Cat. 1
 CAS Number: 64741-65-7 Flam. Liq.: Cat. 3
 Aquatic Chronic: Cat. 4

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)

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

Further information on storage conditions: 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.

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

naphtha (petroleum), heavy alk, 64741-65-7;

TWA value 1,600 mg/m³ ; 400 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/ 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. butyl rubber gloves - material thickness: 0,5 mm

Eye protection:

Eye protection not required., 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:	violet
Odour:	specific
Melting point:	not determined
Boiling point:	not determined
Flash point:	> 51 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
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 ³ (20 °C)
Miscibility with water:	miscible
Viscosity, kinematic:	691.3 mm ² /s (20 °C)
	(40 °C)
Flow time:	> 100 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.

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: 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:**

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

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:
Possible narcotic effects (drowsiness or dizziness).

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

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

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

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Date of print 27.06.2022

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

Information on: naphtha (petroleum), heavy alk

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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Date / Revised: 11.01.2019
Product: **49-W449 0,100L Basecoat**

Version: 5.2

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Date of print 27.06.2022

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 6.3A 6.5B 6.9B 8.3A

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

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

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BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W455 0,100L Basecoat**

Version: 6.0

(50395339/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W455 0,100L Basecoat

Use: Tinting

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): $\geq 1\%$ - $< 2\%$	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

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

Storage

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

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

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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:	blue
Odour:	aromatic
Odour threshold:	No applicable information available.
pH value:	8.2
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 31 °C
Evaporation rate:	No applicable information available.
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
Upper explosion limit:	13.74 %(V)
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No applicable information available.
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:	1.288 g/cm ³ (20 °C)
Relative density:	1.2891 (20 °C)
Relative vapour density (air):	No applicable information available.
Solubility in water:	No applicable information available.
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.

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Version: 6.0

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Viscosity, dynamic:	No applicable information available.
Viscosity, kinematic:	411.6 mm ² /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.

Thermal decomposition: No applicable information available.

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: 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.

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 (H₂O):

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

Bioaccumulation potential

Bioaccumulation potential:

No data available.

13. Disposal Considerations

Observe national and local legal requirements.

No disposal via sewage or waste water systems.

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Product: **49-W455 0,100L Basecoat**

Version: 6.0

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Date of print 06.06.2022

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:

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.

BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W455 0,100L Basecoat**

Version: 6.0

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Date of print 06.06.2022

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: 01.02.2024
Product: **49-W460 0,100L Basecoat**

Version: 7.0

(50395606/SDS_GEN_NZ/EN)

Date of print: 02.02.2024

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W460 0,100L Basecoat

Use: Tinting

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 (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.
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.
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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.

BASF Safety data sheet
 Date / Revised: 01.02.2024
 Product: **49-W460 0,100L Basecoat**

Version: 7.0

(50395606/SDS_GEN_NZ/EN)

Date of print: 02.02.2024

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

organic solvent, pigment, polyurethane

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 20\%$ - $< 25\%$

CAS Number: 107-98-2

Flam. Liq.: Cat. 3

Acute Tox.: Cat. 5 (oral)

STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$

CAS Number: 108-65-6

Flam. Liq.: Cat. 3

STOT SE: Cat. 3 (drowsiness and dizziness)

2-butoxyethanol

Content (W/W): $\geq 1\%$ - $< 2\%$

CAS Number: 111-76-2

Flam. Liq.: Cat. 4

Eye Dam./Irrit.: Cat. 2A

Acute Tox.: Cat. 4 (oral)

Skin Corr./Irrit.: Cat. 2

2-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

BASF Safety data sheet
Date / Revised: 01.02.2024
Product: **49-W460 0,100L Basecoat**

Version: 7.0

(50395606/SDS_GEN_NZ/EN)

Date of print: 02.02.2024

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.

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

Protection against fire and explosion:

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

Storage

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

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

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

2-dimethylaminoethanol, 108-01-0;
TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

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

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)

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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:

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: greenish yellow
Odour: No data available.

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

Melting point: not determined

onset of boiling: not determined

Flash point: > 23 °C (ASTM D3278)

Flammability (solid/gas): Flammable liquid and vapour.

Lower explosion limit: 36 g/m³

Ignition temperature: > 200.00 °C

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

Self heating ability: It is not a material capable of spontaneous heating

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Vapour pressure:

(20 °C)
not determined

(50 °C)
not determined

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Density:	1.296 g/cm ³ (20 °C)	
Relative density:	1.2957 (20 °C)	
Relative vapour density (air):	Heavier than air.	
Solubility in water:	No applicable information available.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Flow time:	55 s (23 °C)	(DIN EN ISO 2431; 3 mm)
Solids content:	63.99 %	

10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

11. Toxicological Information

Routes of exposure

Assessment of acute toxicity

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

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

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

Symptoms

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

Irritation

Assessment of irritating effects:

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

Respiratory/Skin sensitization

Assessment of sensitization:

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

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

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

15. Regulatory Information

Other regulations

HSNO Approval Number HSR002662

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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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Product: **49-W463 0,100L Basecoat**

Version: 7.0

(50395465/SDS_GEN_NZ/EN)

Date of print: 09.02.2024

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W463 0,100L Basecoat

Use: Tinting

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 (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 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.
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

1-methoxypropan-2-ol

Content (W/W): $\geq 15\%$ - $< 20\%$

CAS Number: 107-98-2

Flam. Liq.: Cat. 3

Acute Tox.: Cat. 5 (oral)

STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

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

CAS Number: 108-65-6

Flam. Liq.: Cat. 3

STOT SE: Cat. 3 (drowsiness and dizziness)

2-butoxyethanol

Content (W/W): $\geq 1\%$ - $< 2\%$

CAS Number: 111-76-2

Flam. Liq.: Cat. 4

Eye Dam./Irrit.: Cat. 2A

Acute Tox.: Cat. 4 (oral)

Skin Corr./Irrit.: Cat. 2

2-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

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Date of print: 09.02.2024

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.

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), Polyethylenetherephtalate (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.

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

2-dimethylaminoethanol, 108-01-0;
TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

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

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

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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:	green	
Odour:	aromatic	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 119 °C	(calculated)
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.304 g/cm ³ (20 °C)	

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Relative vapour density (air):

Heavier than air.

Miscibility with water:

immiscible

Partitioning coefficient n-octanol/water (log Pow):

not applicable for mixtures

Viscosity, kinematic: 411.6 mm²/s
(23 °C)

(40 °C)

No data available.

Flow time:

> 60 s
(23 °C)

(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Conditions to avoid:

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

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:

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

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:

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)

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 (H₂O):

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

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

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.

BASF Safety data sheet
Date / Revised: 08.02.2024
Product: **49-W463 0,100L Basecoat**

Version: 7.0

(50395465/SDS_GEN_NZ/EN)

Date of print: 09.02.2024

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.

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16. Other Information

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

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

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

Safety data sheet

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BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W466 0,100L Basecoat**

Version: 6.0

(50395481/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W466 0,100L Basecoat

Use: Tinting

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): $\geq 1\%$ - $< 2\%$	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. 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), Stove-lacquer KNS L-5X, Stove-lacquer RDL 50, Stove-lacquer Valspar HXR008F red

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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

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ventilation and good general extraction. If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn. Remove contaminated clothing immediately and dispose of safely. Hands and/or face should be washed before breaks and at the end of the shift. Keep separated from food stuffs and feed stocks.

9. Physical and Chemical Properties

Form:	liquid
Colour:	green
Odour:	of hydrocarbons
pH value:	7.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	51 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
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:	1.263 g/cm ³ (20 °C)
Miscibility with water:	miscible
Viscosity, kinematic:	684.3 mm ² /s (20 °C)
	(40 °C) not determined
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)

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.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

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Date of print 06.06.2022

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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.

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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.

BASF Safety data sheet

Date / Revised: 17.05.2022

Product: **49-W466 0,100L Basecoat**

Version: 6.0

(50395481/SDS_GEN_NZ/EN)

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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BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W469 0,100L Basecoat**

Version: 6.0

(50394701/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W469 0,100L Basecoat

Use: Tinting

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.
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Other hazards which do not result in classification:

(50394701/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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): $\geq 10\%$ - $< 12.5\%$	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: Carbon steel (Iron), tinned carbon steel (Tinplate), High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), 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.

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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:	blue-green
Odour:	aromatic
Odour threshold:	No applicable information available.
pH value:	7.0 - 9.0 (500.00000 g/l)
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 52 °C
Evaporation rate:	No applicable information available.
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
Upper explosion limit:	13.74 %(V)
Ignition temperature:	> 200.00 °C
Thermal decomposition:	No applicable information available.
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:	1.300 g/cm ³ (20 °C)
Relative density:	1.3321 (20 °C)

Relative vapour density (air):	No applicable information available.	
Solubility in water:	No applicable information available.	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	No applicable information available.	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	691.3 mm ² /s (20 °C)	
	(40 °C)	
	not determined	
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.

Thermal decomposition: No applicable information available.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

Bioaccumulation potential

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Product: **49-W469 0,100L Basecoat**

Version: 6.0

(50394701/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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

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: 07.06.2022
Product: **49-W480 0,100L Basecoat**

Version: 6.0

(50395482/SDS_GEN_NZ/EN)

Date of print): 08.06.2022

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W480 0,100L Basecoat

Use: Tinting

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)

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: 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)

Suitable materials for containers: Stove-lacquer R 78433, Stove-lacquer EHD0022, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), 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.

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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.

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 Date / Revised: 07.06.2022
 Product: **49-W480 0,100L Basecoat**

Version: 6.0

(50395482/SDS_GEN_NZ/EN)

Date of print): 08.06.2022

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:	brown	
Odour:	specific	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 119.00 °C	
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
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:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.256 g/cm ³ (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm ² /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 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.

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

Information on: 1-methoxypropan-2-ol

Acute oral toxicity

Experimental/calculated data:

LD50 rat (oral): 4,016 mg/kg (similar to OECD guideline 401)

Information on: 2-dimethylaminoethanol

Acute oral toxicity

BASF Safety data sheet
Date / Revised: 07.06.2022
Product: **49-W480 0,100L Basecoat**

Version: 6.0

(50395482/SDS_GEN_NZ/EN)

Date of print): 08.06.2022

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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

Bioaccumulation potential

Bioaccumulation potential:

BASF Safety data sheet
 Date / Revised: 07.06.2022
 Product: **49-W480 0,100L Basecoat**

Version: 6.0

(50395482/SDS_GEN_NZ/EN)

Date of print): 08.06.2022

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:

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: 28.11.2023
Product: **49-W488 0,100L Basecoat**

Version: 8.0

(50394648/SDS_GEN_NZ/EN)

Date of print: 29.11.2023

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W488 0,100L Basecoat

Use: Tinting

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 (May cause drowsiness and dizziness.)
Flammable liquids: Cat.3
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:

Danger
 Warning

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.
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.
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.
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):

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.
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.
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): $\geq 15\%$ - $< 20\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

Content (W/W): $\geq 1\%$ - $< 2\%$
 CAS Number: 111-76-2

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

2-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

1-methoxypropan-2-ol

Content (W/W): $\geq 20\%$ - $< 25\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

BASF Safety data sheet
Date / Revised: 28.11.2023
Product: **49-W488 0,100L Basecoat**

Version: 8.0

(50394648/SDS_GEN_NZ/EN)

Date of print: 29.11.2023

Content (W/W): $\geq 1\%$ - $< 2\%$
CAS Number: 111-76-2

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

2-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.

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.

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

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. 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.

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.

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: tinned carbon steel (Tinplate), Carbon steel (Iron), Stainless steel 1.4301 (V2), Polypropylene (PP), Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer C222A/C221A, Stove-lacquer NOVOCAN S-G 500, Stove-lacquer Vitalure 745, Stove-lacquer Valspar HXR008F red, Stove-lacquer KNS L-5X, Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer R 78433, Stove-lacquer RDL 50, glass, Aluminium

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.

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

Biological Exposure Indices:

No data available.

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.

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)

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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butyl rubber gloves - material thickness: 0.5 mm

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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.

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.

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. 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:	beige	
Odour:	aromatic	
pH value:	7.9	
	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
	not determined	
onset of boiling:	not determined	
	not determined	
Flash point:	32 °C	(ASTM D3278)
Flammability (solid/gas):	Flammable liquid and vapour. Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³ 36 g/m ³	
Ignition temperature:	> 200.00 °C > 200 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	

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Self heating ability:	No decomposition if stored and handled as prescribed/indicated. 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	
	(50 °C) not determined	
	5.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.280 g/cm ³ (20 °C)	
	1.302 g/cm ³ (20 °C)	
Relative density:	1.3017 (20 °C)	
Relative vapour density (air):	Heavier than air.	
	Heavier than air.	
Solubility in water:	No applicable information available.	
Miscibility with water:	miscible	
	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm ² /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s > 54 s (23 °C)	(DIN EN ISO 2431; 6 mm) (DIN EN ISO 2431; 3 mm)

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Solids content: 63.99 %

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.

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:

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. Eye contact causes irritation. Skin contact causes irritation.

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 (H₂O):
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))

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

Elimination information:

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

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

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.

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

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

Tracking requirements do not apply to 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.

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.

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: **49-W496 0,100L Basecoat**

Version: 1.0

(50738779/SDS_GEN_NZ/EN)

Date of print: 09.10.2023

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W496 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.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.2

Label elements and precautionary statement:

Pictogram:



Signal Word:
 Danger

Hazard Statement:

H225	Highly 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.
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.
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.
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.
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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

inorganic compounds, organic solvent, pigment

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)

propan-2-ol

Content (W/W): $\geq 12.5\%$ - $< 15\%$	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)

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

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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.

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. 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), Stainless steel 1.4301 (V2), Polypropylene (PP), Polyethylenetherephthalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer C222A/C221A, Stove-lacquer NOVOCAN S-G 500, Stove-lacquer Vitalure 745, Stove-lacquer Valspar HXR008F red, Stove-lacquer KNS L-5X, Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer R 78433, Stove-lacquer RDL 50, glass

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/m³ ; 500 ppm (OEL (NZ))
TWA value 983 mg/m³ ; 400 ppm (OEL (NZ))

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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.

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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.

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: orange
 Odour: ether-like
 Odour threshold: No applicable information available.

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

Melting point: not determined
 onset of boiling: 82 °C (calculated)

Flash point: 18 °C
 Evaporation rate: No applicable information available.

Flammability (solid/gas): Highly flammable liquid and vapour.
 Lower explosion limit: 1.5 %(V)
 Upper explosion limit: 13.74 %(V)

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Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	(20 °C)	not determined
	(50 °C)	not determined
Density:	0.947 g/cm ³ (20 °C)	
Relative density:	0.947 (20 °C)	
Relative vapour density (air):	Heavier than air.	
Solubility in water:	No applicable information available.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, dynamic:	No applicable information available.	
Viscosity, kinematic:	684.3 mm ² /s (20 °C)	
	(40 °C)	not determined
Flow time:	> 99 s	(DIN EN ISO 2431; 6 mm)
Solids content:	54.18 %	

10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

When exposed to high temperatures hazardous decomposition products such as 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

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:

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)

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 (H₂O):

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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Date / Revised: 16.04.2023
Product: **49-W496 0,100L Basecoat**

Version: 1.0

(50738779/SDS_GEN_NZ/EN)

Date of print: 09.10.2023

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

Elimination information:

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

Bioaccumulation potential

Bioaccumulation potential:

No data available.

13. Disposal Considerations

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

Contaminated packaging:

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

14. Transport Information

Domestic transport:

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

Special precautions for user: None known

Further information

Hazchem Code:3YE

IERG Number:14

Sea transport

IMDG

UN number or ID number: UN 1263

UN proper shipping name: PAINT

Transport hazard class(es): 3

Packing group: II

Environmental hazards: no

BASF Safety data sheet
Date / Revised: 16.04.2023
Product: **49-W496 0,100L Basecoat**

Version: 1.0

(50738779/SDS_GEN_NZ/EN)

Date of print: 09.10.2023

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

Air transport

IATA/ICAO

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

15. Regulatory Information

Other regulations

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

Tracking requirements do not apply to this substance.

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

HSNO Approval Number 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: 17.05.2022
Product: **49-W511 0,100L Basecoat**

Version: 4.0

(50569900/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W511 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. 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

Acute toxicity: Cat. 5 (oral)

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 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:

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Date of print 06.06.2022

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): $\geq 20\%$ - $< 25\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

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

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 CAS Number: 126-86-3

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

| 2-Propanol, 1-propoxy-

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Product: **49-W511 0,100L Basecoat**

Version: 4.0

(50569900/SDS_GEN_NZ/EN)

Date of print 06.06.2022

Content (W/W): $\geq 1\%$ - $< 2\%$
CAS Number: 1569-01-3

Flam. Liq.: Cat. 3
Acute Tox.: Cat. 5 (oral)
Acute Tox.: Cat. 5 (dermal)
Eye Dam./Irrit.: Cat. 2A

| Magnesium fluoride (MgF₂)
Content (W/W): $\geq 7\%$ - $< 10\%$
CAS Number: 7783-40-6

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:

(50569900/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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)
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/m³ ; 100 ppm (OEL (NZ))

STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))

STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Magnesium fluoride (MgF₂), 7783-40-6;

TWA value 2.5 mg/m³ (ACGIHTLV)

Measured as: fluorine (F)

TWA value 2.5 mg/m³ (OEL (NZ))

Measured as: fluorine (F)

(OEL (NZ))

Measured as: fluorine (F)

Exposure can also be estimated by biological monitoring.

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:	No applicable information available.
Odour:	aromatic
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	> 119.00 °C
Flash point:	31 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
Ignition temperature:	> 200.00 °C
Self heating ability:	It is not a substance capable of spontaneous heating.

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Product: **49-W511 0,100L Basecoat**

Version: 4.0

(50569900/SDS_GEN_NZ/EN)

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Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.080 g/cm ³ (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm ² /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

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preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Of low toxicity after single ingestion.

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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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.

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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: 17.05.2022
Product: **49-W513 0,100L Basecoat**

Version: 2.0

(50569895/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W513 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. 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 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:

(50569895/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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

1-methoxypropan-2-ol

Content (W/W): $\geq 20\%$ - $< 25\%$	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): $\geq 15\%$ - $< 20\%$	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

2,4,7,9-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:

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: 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/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 119.00 °C	
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
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:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.120 g/cm ³ (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm ² /s (20 °C)	
	(40 °C) not determined	

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(DIN EN ISO 2431; 6 mm)

Flow time: > 60 s

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: 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.

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.

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 (H₂O):

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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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).

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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Product: **49-W530 0,100L Basecoat**

Version: 4.0

(50569896/SDS_GEN_NZ/EN)

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1. Substance/preparation and manufacturer/supplier identification

49-W530 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. 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

Acute toxicity: Cat. 5 (oral)

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 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:

(50569896/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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): $\geq 20\%$ - $< 25\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

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

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 CAS Number: 126-86-3

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

| 2-Propanol, 1-propoxy-

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Content (W/W): $\geq 1\%$ - $< 2\%$
CAS Number: 1569-01-3

Flam. Liq.: Cat. 3
Acute Tox.: Cat. 5 (oral)
Acute Tox.: Cat. 5 (dermal)
Eye Dam./Irrit.: Cat. 2A

| Magnesium fluoride (MgF₂)
Content (W/W): $\geq 7\%$ - $< 10\%$
CAS Number: 7783-40-6

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:

(50569896/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

Magnesium fluoride (MgF₂), 7783-40-6;

TWA value 2.5 mg/m³ (ACGIHTLV)
Measured as: fluorine (F)
TWA value 2.5 mg/m³ (OEL (NZ))
Measured as: fluorine (F)
(OEL (NZ))
Measured as: fluorine (F)
Exposure can also be estimated by biological monitoring.

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:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	> 119.00 °C
Flash point:	31 °C (ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	36 g/m ³
Ignition temperature:	> 200.00 °C
Self heating ability:	It is not a substance capable of spontaneous heating.

BASF Safety data sheet
Date / Revised: 17.05.2022
Product: **49-W530 0,100L Basecoat**

Version: 4.0

(50569896/SDS_GEN_NZ/EN)

Date of print 06.06.2022

Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.080 g/cm ³ (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm ² /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

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Date of print 06.06.2022

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: 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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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: 07.02.2024
Product: **49-W534 0,100L Basecoat**

Version: 1.0

(50757989/SDS_GEN_NZ/EN)

Date of print: 09.02.2024

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W534 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.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.
 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.

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Product: **49-W534 0,100L Basecoat**

Version: 1.0

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Date of print: 09.02.2024

3. Composition/information on ingredients

Chemical nature

Substance nature: mixture

fillers, organic solvent, pigment, polyurethane

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 15\%$ - $< 20\%$
CAS Number: 107-98-2Flam. Liq.: Cat. 3
Acute Tox.: Cat. 5 (oral)
STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 12.5\%$ - $< 15\%$
CAS Number: 108-65-6Flam. Liq.: Cat. 3
STOT SE: Cat. 3 (drowsiness and dizziness)

propane-1,2-diol

Content (W/W): $\geq 5\%$ - $< 7\%$
CAS Number: 57-55-6

2-butoxyethanol

Content (W/W): $\geq 1\%$ - $< 2\%$
CAS Number: 111-76-2Flam. 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: 108-01-0Flam. 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

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Product: **49-W534 0,100L Basecoat**

Version: 1.0

(50757989/SDS_GEN_NZ/EN)

Date of print: 09.02.2024

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.

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), Polypropylene (PP), Polyethylenetherephthalate (PET), Low density polyethylene (LDPE), High density polyethylene (HDPE)

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

propane-1,2-diol, 57-55-6;

TWA value 10 mg/m³ (OEL (NZ)), Particulate

TWA value 474 mg/m³ ; 150 ppm (OEL (NZ)), Vapor and particulates

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)

STEL value 100 ppm (ACGIHTLV)

TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))

STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))

STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

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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Version: 1.0

(50757989/SDS_GEN_NZ/EN)

Date of print: 09.02.2024

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:	red	
Odour:	aromatic	
Odour threshold:	not determined	
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)
Evaporation rate:	not determined	
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
Upper explosion limit:	not determined	
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	

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Date / Revised: 07.02.2024
Product: **49-W534 0,100L Basecoat**

Version: 1.0

(50757989/SDS_GEN_NZ/EN)

Date of print: 09.02.2024

Vapour pressure:	(20 °C) not determined	
	(50 °C) not determined	
Density:	1.178 g/cm ³ (20 °C)	
Relative vapour density (air):	Heavier than air.	
Solubility in water:	not determined	
Miscibility with water:	miscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm ² /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

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 (H₂O):

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

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

Bioaccumulation potential

Bioaccumulation potential:

No data available.

BASF Safety data sheet
Date / Revised: 07.02.2024
Product: **49-W534 0,100L Basecoat**

Version: 1.0

(50757989/SDS_GEN_NZ/EN)

Date of print: 09.02.2024

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: 04.04.2023
Product: **49-W535 0,100L Basecoat**

Version: 4.1

(50570651/SDS_GEN_NZ/EN)

Date of print: 04.09.2023

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W535 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.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): $\geq 20\%$ - $< 25\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

Magnesium fluoride (MgF₂)

Content (W/W): $\geq 7\%$ - $< 10\%$
 CAS Number: 7783-40-6

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 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

2-Propanol, 1-propoxy-

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Version: 4.1

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Date of print: 04.09.2023

Content (W/W): $\geq 1\%$ - $< 2\%$

CAS Number: 1569-01-3

Flam. Liq.: Cat. 3

Acute Tox.: Cat. 5 (oral)

Acute Tox.: Cat. 5 (dermal)

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 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), Polyethyleneterephthalate (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.

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

2-dimethylaminoethanol, 108-01-0;
TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

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

Magnesium fluoride (MgF₂), 7783-40-6;
TWA value 2.5 mg/m³ (ACGIHTLV)
Measured as: fluorine (F)
TWA value 2.5 mg/m³ (OEL (NZ))
Measured as: fluorine (F)
(OEL (NZ))
Measured as: fluorine (F)
Exposure can also be estimated by biological monitoring.

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.

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

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

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

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

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: substance/mixture is non-polar/aprotic

Melting point: not determined
 onset of boiling: > 119 °C (calculated)
 Flash point: 34 °C (ISO 3679)

Flammability (solid/gas): Flammable liquid and vapour.
 Lower explosion limit: 36 g/m³
 Ignition temperature: > 200.00 °C

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Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.088 g/cm ³ (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, dynamic:	No applicable information available.	
Viscosity, kinematic:	411.6 mm ² /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

11. Toxicological Information

Routes of exposure

Assessment of acute toxicity

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

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

Symptoms

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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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Product: **49-W535 0,100L Basecoat**

Version: 4.1

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Date of print: 04.09.2023

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: 19.05.2022
Product: **49-W544 0,100L Basecoat**

Version: 3.0

(50654695/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W544 0,100L Basecoat

Use: Tinting

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

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 25\%$ - $< 30\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

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

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 CAS Number: 126-86-3

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

4. First-Aid Measures

General advice:

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

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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

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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. 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), 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 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

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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

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:	violet
Odour:	aromatic
pH value:	substance/mixture is non-polar/aprotic
Melting point:	not determined
onset of boiling:	not determined
Flash point:	33 °C
Flammability (solid/gas):	Flammable liquid and vapour.
Lower explosion limit:	1.6 %(V)
Ignition temperature:	not determined
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:	1.078 g/cm ³ (20 °C)
Miscibility with water:	immiscible
Viscosity, kinematic:	656.5 mm ² /s (20 °C)
	(40 °C) not determined
Flow time:	> 95 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:

(50654695/SDS_GEN_NZ/EN)

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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.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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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).

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.

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

Safety data sheet

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BASF Safety data sheet
Date / Revised: 12.04.2023
Product: **49-W550 0,100L Basecoat**

Version: 8.0

(50569898/SDS_GEN_NZ/EN)

Date of print: 13.04.2023

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W550 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.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): $\geq 20\%$ - $< 25\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

Magnesium fluoride (MgF₂)

Content (W/W): $\geq 7\%$ - $< 10\%$
 CAS Number: 7783-40-6

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 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

2-Propanol, 1-propoxy-

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Content (W/W): $\geq 1\%$ - $< 2\%$

CAS Number: 1569-01-3

Flam. Liq.: Cat. 3

Acute Tox.: Cat. 5 (oral)

Acute Tox.: Cat. 5 (dermal)

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 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.

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/m³ ; 100 ppm (OEL (NZ))

STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))

STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Magnesium fluoride (MgF₂), 7783-40-6;

TWA value 2.5 mg/m³ (ACGIHTLV)

Measured as: fluorine (F)

TWA value 2.5 mg/m³ (OEL (NZ))

Measured as: fluorine (F)

(OEL (NZ))

Measured as: fluorine (F)

Exposure can also be estimated by biological monitoring.

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:	blue	
Odour:	aromatic	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:		
onset of boiling:	not determined > 119 °C	(calculated)
Flash point:	34 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
Ignition temperature:	> 200.00 °C	

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Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
	13.00 hPa (20 °C)	
	No applicable information available.	
Density:	1.080 g/cm ³ (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 ² /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

11. Toxicological Information

Routes of exposure

Assessment of acute toxicity

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

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

Symptoms

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 (H₂O):
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 % CO₂ 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 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

Bioaccumulation potential

Bioaccumulation potential:
No data available.

13. Disposal Considerations

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

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

14. Transport Information

Domestic transport:

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

Special precautions for user: None known

Further information

Hazchem Code:3Y
IERG Number:14

Sea transport

IMDG

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

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

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Date / Revised: 12.04.2023
Product: **49-W550 0,100L Basecoat**

Version: 8.0

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Date of print: 13.04.2023

Air transport

IATA/ICAO

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

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: 20.05.2022
Product: **49-W553 0,100L Basecoat**

Version: 2.0

(50651014/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W553 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. 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

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 25\%$ - $< 30\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

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

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 CAS Number: 126-86-3

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

4. First-Aid Measures

General advice:

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

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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.

Suitable materials for containers: Carbon steel (Iron), tinned carbon steel (Tinplate), Stove-lacquer RDL 50, Stove-lacquer KNS L-5X, Stove-lacquer Valspar HXR008F red, Polyethylenetherephthalate (PET), 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

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)
STEL value 100 ppm (ACGIHTLV)
TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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

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 with red reflection
Odour: aromatic
Odour threshold: No applicable information available.

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

Melting point: not determined
onset of boiling: > 117.00 °C

Flash point: 30 °C
Evaporation rate: No applicable information available.

Flammability (solid/gas): Flammable liquid and vapour.
Upper explosion limit: 13.74 %(V)
Ignition temperature: not determined

Thermal decomposition: No applicable information available.
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: 1.110 g/cm³
(20 °C)
Relative density: 1.1103
(20 °C)
Relative vapour density (air): No applicable information available.

Solubility in water: No applicable information available.
Miscibility with water: immiscible
Partitioning coefficient n-octanol/water (log Pow): No applicable information available.

Viscosity, dynamic: No applicable information available.

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Viscosity, kinematic: 691.3 mm²/s
(20 °C)

(40 °C)
not determined

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.

Thermal decomposition: No applicable information available.

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:

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.

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.

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 (H₂O):

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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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Date of print 06.06.2022

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

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

16. Other Information

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

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

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

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BASF Safety data sheet
Date / Revised: 12.04.2023
Product: **49-W554 0,100L Basecoat**

Version: 3.0

(50649674/SDS_GEN_NZ/EN)

Date of print: 13.04.2023

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W554 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.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

acrylic resin, inorganic compounds, organic solvent, pigment, polyurethane

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 25\%$ - $< 30\%$	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): $\geq 2\%$ - $< 2.5\%$	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): $\geq 2\%$ - $< 2.5\%$	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): $\geq 1\%$ - $< 2\%$	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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Date of print: 13.04.2023

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), Polyethyleneterephthalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

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

Storage stability:

Storage temperature: 5.00 - 35.00 °C

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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)

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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:	blue	
Odour:	aromatic	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	119 °C	(calculated)
Flash point:	23 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.059 g/cm ³ (20 °C)	

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Relative vapour density (air):	Heavier than air.	
Miscibility with water:	immiscible	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Viscosity, kinematic:	411.6 mm ² /s (20 °C)	
	(40 °C)	not determined
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

11. Toxicological Information

Routes of exposure

Assessment of acute toxicity

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated and prolonged exposure to solvents at levels significantly above OELs

may lead to the development of long-lasting central nervous system disorders such as chronic toxic encephalopathy, signs of toxicity include changes in behaviour and memory. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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

Symptoms

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 (H₂O):

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

Bioaccumulation potential

Bioaccumulation potential:

No data available.

13. Disposal Considerations

Do not discharge into drains/surface waters/groundwater.

Observe national and local legal requirements.

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

14. Transport Information

Domestic transport:

UN number or ID number: UN 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.

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Version: 4.1

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Date of print: 06.10.2023

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W556 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.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): $\geq 20\%$ - $< 25\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

Magnesium fluoride (MgF₂)

Content (W/W): $\geq 7\%$ - $< 10\%$
 CAS Number: 7783-40-6

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 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

2-Propanol, 1-propoxy-

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Content (W/W): $\geq 1\%$ - $< 2\%$

CAS Number: 1569-01-3

Flam. Liq.: Cat. 3

Acute Tox.: Cat. 5 (oral)

Acute Tox.: Cat. 5 (dermal)

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 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.

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

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

Storage stability:

Storage temperature: 5.00 - 35.00 °C

8. Exposure controls and personal protection

Components with occupational exposure limits

1-methoxypropan-2-ol, 107-98-2;

TWA value 50 ppm (ACGIHTLV)

STEL value 100 ppm (ACGIHTLV)

TWA value 369 mg/m³ ; 100 ppm (OEL (NZ))STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Magnesium fluoride (MgF₂), 7783-40-6;TWA value 2.5 mg/m³ (ACGIHTLV)

Measured as: fluorine (F)

TWA value 2.5 mg/m³ (OEL (NZ))

Measured as: fluorine (F)

(OEL (NZ))

Measured as: fluorine (F)

Exposure can also be estimated by biological monitoring.

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:	No applicable information available.	
Odour:	aromatic	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:	not determined	
onset of boiling:	> 119 °C	(calculated)
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
Ignition temperature:	> 200.00 °C	

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Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.092 g/cm ³ (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 ² /s (20 °C)	
	(40 °C) not determined	
Flow time:	> 60 s	(DIN EN ISO 2431; 6 mm)

10. Stability and Reactivity

Conditions to avoid:

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

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

Substances to avoid:

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

Hazardous reactions:

Vapours may form ignitable mixture with air.

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

Chemical stability:

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

Reactivity:

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

11. Toxicological Information

Routes of exposure

Assessment of acute toxicity

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

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

Symptoms

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 (H₂O):

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

BASF Safety data sheet
Date / Revised: 04.04.2023
Product: **49-W556 0,100L Basecoat**

Version: 4.1

(50570652/SDS_GEN_NZ/EN)

Date of print: 06.10.2023

< 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

UN number or ID number: UN 1263

BASF Safety data sheet
Date / Revised: 04.04.2023
Product: **49-W556 0,100L Basecoat**

Version: 4.1

(50570652/SDS_GEN_NZ/EN)

Date of print: 06.10.2023

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: 17.05.2022
Product: **49-W560 0,100L Basecoat**

Version: 4.0

(50570653/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W560 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. 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

inorganic compounds, 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

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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

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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. 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)

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 °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/m³ ; 100 ppm (OEL (NZ))
STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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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Date of print 06.06.2022

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:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 119.00 °C	
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
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:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.232 g/cm ³ (20 °C)	
Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm ² /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.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

(50570653/SDS_GEN_NZ/EN)

Date of print 06.06.2022

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

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

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.

BASF Safety data sheet

Date / Revised: 17.05.2022

Product: **49-W560 0,100L Basecoat**

Version: 4.0

(50570653/SDS_GEN_NZ/EN)

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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BASF Safety data sheet
Date / Revised: 01.03.2024
Product: **49-W564 0,100L Basecoat**

Version: 5.0

(50569899/SDS_GEN_NZ/EN)

Date of print: 18.03.2024

1. Substance/preparation and manufacturer/supplier identification

Product name:
49-W564 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.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.
 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): $\geq 20\%$ - $< 25\%$
 CAS Number: 107-98-2

Flam. Liq.: Cat. 3
 Acute Tox.: Cat. 5 (oral)
 STOT SE: Cat. 3 (drowsiness and dizziness)

1-methoxy-2-propylacetate

Content (W/W): $\geq 15\%$ - $< 20\%$
 CAS Number: 108-65-6

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

Magnesium fluoride (MgF₂)

Content (W/W): $\geq 7\%$ - $< 10\%$
 CAS Number: 7783-40-6

2-butoxyethanol

Content (W/W): $\geq 2\%$ - $< 2.5\%$
 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): $\geq 2\%$ - $< 2.5\%$
 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.: Cat. 1B
 Eye Dam.: Cat. 1
 Aquatic Acute: Cat. 3
 STOT SE: Cat. 3 (irr. to respiratory syst.)

2-Propanol, 1-propoxy-

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Content (W/W): $\geq 1\%$ - $< 2\%$

CAS Number: 1569-01-3

Flam. Liq.: Cat. 3

Acute Tox.: Cat. 5 (oral)

Acute Tox.: Cat. 5 (dermal)

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 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: tinned carbon steel (Tinplate), Carbon steel (Iron), Polypropylene (PP), Polyethylenetherephtalate (PET), Low density polyethylene (LDPE), High density polyethylene

(HDPE), Stove-lacquer C222A/C221A, Stove-lacquer NOVOCAN S-G 500, Stove-lacquer Vitalure 745, Stove-lacquer EHD0022, Stove-lacquer 79/14/3 (Müller/CH), Stove-lacquer R 78433, Stove-lacquer RDL 50

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

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

Magnesium fluoride (MgF₂), 7783-40-6;

TWA value 2.5 mg/m³ (ACGIHTLV)
Measured as: fluorine (F)
TWA value 2.5 mg/m³ (OEL (NZ))
Measured as: fluorine (F)
(OEL (NZ))
Measured as: fluorine (F)
Exposure can also be estimated by biological monitoring.

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.

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:	No applicable information available.	
Odour:	aromatic	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 119 °C	(calculated)
Flash point:	34 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
Ignition temperature:	> 200.00 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self heating ability:	It is not a material capable of spontaneous heating	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	13.00 hPa (20 °C)	(calculated)

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	(50 °C) not determined	
Density:	1.084 g/cm ³ (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 ² /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:

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

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

Bioaccumulation potential

Bioaccumulation potential:
No data available.

13. Disposal Considerations

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

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

14. Transport Information

Domestic transport:

UN number or ID number: UN 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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Product: **49-W580 0,100L Basecoat**

Version: 5.0

(50570640/SDS_GEN_NZ/EN)

Date of print 06.06.2022

1. Substance/preparation and manufacturer/supplier identification

49-W580 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. 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 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:

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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

fillers, organic solvent, pigment, polyurethane

Hazardous ingredients

1-methoxypropan-2-ol

Content (W/W): $\geq 30\%$ - $< 50\%$	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): $\geq 3\%$ - $< 5\%$	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

| 2-methoxypropanol

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Content (W/W): $\geq 0.1\%$ - $< 0.2\%$	Flam. Liq.: Cat. 3
CAS Number: 1589-47-5	Skin Corr./Irrit.: Cat. 2
	Eye Dam./Irrit.: Cat. 1
	Repr.: Cat. 1B (unborn child)
	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.

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.

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Date of print 06.06.2022

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.

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/m³ ; 100 ppm (OEL (NZ))

STEL value 553 mg/m³ ; 150 ppm (OEL (NZ))

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))

STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

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:	brown	
Odour:	of glycol	
pH value:	substance/mixture is non-polar/aprotic	
Melting point:	not determined	
onset of boiling:	> 0 °C	
Flash point:	32 °C	(ISO 3679)
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
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:	13.00 hPa (20 °C)	(calculated)
	(50 °C) not determined	
Density:	1.008 g/cm ³ (20 °C)	

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Miscibility with water:	immiscible	
Viscosity, kinematic:	411.6 mm ² /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.

Of low toxicity after single ingestion.

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.

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 (H₂O):

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

Bioaccumulation potential

Bioaccumulation potential:

No data available.

13. Disposal Considerations

Observe national and local legal requirements.

No disposal via sewage or waste water systems.

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

14. Transport Information

Domestic transport:

Packing group: 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.

Tracking requirements do not apply to this substance.

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

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16. Other Information

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

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

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

Safety data sheet

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Date / Revised: 20.05.2022
Product: **45-W599 0,100L Basecoat**

Version: 4.0

(50649626/SDS_GEN_NZ/EN)

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1. Substance/preparation and manufacturer/supplier identification

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. 4 (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.
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.
H336	May cause drowsiness or dizziness.

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.
P264	Wash contaminated body parts thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P242	Use only non-sparking tools.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P243	Take action to prevent static discharges.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
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 + 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.

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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

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 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, 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 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

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

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

2-dimethylaminoethanol, 108-01-0;

TWA value 7.4 mg/m³ ; 2 ppm (OEL (NZ))
STEL value 22 mg/m³ ; 6 ppm (OEL (NZ))

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)
TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))
Skin Designation (OEL (NZ))
Skin absorption can be significant.

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

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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:	silver colours	
Odour:	of glycol	
pH value:	6.0 - 9.0 (500.00000 g/l)	
Melting point:		
onset of boiling:	not determined 89 °C	
Flash point:	15 °C	(ISO 3679)
Flammability (solid/gas):	Highly flammable liquid and vapour.	
Lower explosion limit:	36 g/m ³	
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:	33.00 hPa (20 °C)	(calculated)
	180.00 hPa (50 °C)	(calculated)
Density:	0.900 g/cm ³ (20 °C)	
Miscibility with water:	miscible	
Viscosity, kinematic:	122.5 mm ² /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 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: propan-2-ol**Experimental/calculated data:**

LD50 rat (oral): 4,396 mg/kg (other)

Literature data.

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

< 20 % CO₂ formation relative to the theoretical value (60 d) (ISO DIS 9439) (aerobic, activated sludge)

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

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

Bioaccumulation potential

Bioaccumulation potential:
No data available.

13. Disposal Considerations

Observe national and local legal requirements.
No disposal via sewage or waste water systems.

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

14. Transport Information

Domestic transport:

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

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Further information

Hazchem Code:3YE
IERG Number:14

Sea transport

IMDG

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

Air transport

IATA/ICAO

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

15. Regulatory Information**Other regulations**

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

Tracking requirements do not apply to this substance.

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

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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.

BASF Safety data sheet
Date / Revised: 20.05.2022
Product: **45-W599 0,100L Basecoat**

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