

Safety data sheet

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BASF Safety data sheet
Date / Revised: 30.10.2019
Product: **100-E 168 0,125L**

Version: 1.0

(30714951/SDS_GEN_AU/EN)

Date of print 13.11.2019

1. Substance/preparation and manufacturer/supplier identification

100-E 168 0,125L

Recommended use: Sprayable

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)
Level 12, 28 Freshwater Place Southbank
Victoria 3006, AUSTRALIA
Telephone: +61 3 8855-6600
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 3

Flammable liquids: Cat. 4

Label elements and precautionary statement:

Signal Word:

Warning

Hazard Statement:

H227 Combustible liquid.

H316 Causes mild skin irritation.

Precautionary Statements (Prevention):

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P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements (Response):

P332 + P313 If skin irritation occurs: Get medical advice/attention.
P370 + P378 In case of fire: Use water spray for extinction.

Precautionary Statements (Storage):

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

Precautionary Statements (Disposal):

P501 Dispose of contents/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.

Safety data sheet available on request.

3. Composition/information on ingredients

Chemical nature

aqueous solution, acrylic resin, organic solvent, pigment, polyurethane

Hazardous ingredients**2-dimethylaminoethanol**

Content (W/W): >= 0.1 % - < 0.2 %	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): >= 5 % - < 7 %	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

polypropylene glycol

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Content (W/W): $\geq 3\%$ - $< 5\%$
CAS Number: 25322-69-4

Flam. Liq.: Cat. 4
Acute Tox.: Cat. 5 (oral)

Magnesium fluoride

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

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

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: Additional information on 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: 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.

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Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

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.

7. Handling and Storage

Handling

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.

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.

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), Polyethylenetherephtalate (PET), Polypropylene (PP), Stainless steel 1.4301 (V2)

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. Isolate from sources of ignition and naked flames. Explosion protection measures are not necessary if under operating conditions the product is not heated above the flash point. Avoid accumulation of pressure inside containers (s. section 10). Exercise caution when opening to allow pressure release. Detailed information can be gained from the relevant technical data sheets. Always keep in containers of same material as the original one. Observe label precautions. Store in a dry, well ventilated place. Protect from direct sunlight. Keep away from sources of ignition. Keep away from heat.

8. Exposure controls and personal protection

Components with occupational exposure limits

2-dimethylaminoethanol, 108-01-0;

STEL value 22 mg/m³ ; 6 ppm (AU NOEL)

TWA value 7.4 mg/m³ ; 2 ppm (AU NOEL)

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

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

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 96.9 mg/m³ ; 20 ppm (AU NOEL)

STEL value 242 mg/m³ ; 50 ppm (AU NOEL)

Skin Designation (AU NOEL)

The substance can be absorbed through the skin.

STEL value 242 mg/m³ ; 50 ppm (OEL (AU))

TWA value 96.9 mg/m³ ; 20 ppm (OEL (AU))

Skin Designation (OEL (AU))

The substance can be absorbed through the skin.

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:

In case of regular or extensive contact, a protection glove certified according to EN 374 and made of butyl rubber (material thickness 0.5 mm) or nitrile rubber (material thickness 1.25 mm) or fluorinated rubber (material thickness 0,7 mm) is recommended.

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).

Hand protection not required.

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:	metallic
Odour:	specific
pH value:	not determined
Melting point:	not determined
onset of boiling:	not determined
Flash point:	> 70 °C
Flammability (solid/gas):	Combustible liquid.
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:	1.088 g/cm ³ (20 °C)
Miscibility with water:	miscible
Viscosity, kinematic:	36.0 mm ² /s (20 °C)
	(40 °C) not determined
Flow time:	> 30 s

(DIN EN ISO 2431; 4 mm)

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Product may release hydrogen gas - increased storage temperatures will accelerate this process. (cf. chapter 7 for the storage temperature) The product tends to form hydrogen gas. Acids, alkalis and catalytic agents, e.g. iron, will accelerate the reaction. The product may react with halogens.

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

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., 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: 2-dimethylaminoethanol

Experimental/calculated data:

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

Information on: 2-dimethylaminoethanol

Experimental/calculated data:

LC50 rat (by inhalation): 6.1 mg/l 4 h (OECD Guideline 403)

The vapour was tested.

rat (by inhalation): 10 min (IRT)

No Mortality within the stated exposition time as shown in animal studies, however, deaths occurred after longer exposure.

Irritation

Assessment of irritating effects:
Not irritating to the eyes. Skin contact causes slight irritation.

Respiratory/Skin sensitization

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Developmental toxicity

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

Specific target organ toxicity (single exposure):

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

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

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

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information**Ecotoxicity**

Assessment of aquatic toxicity:

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

Mobility

Assessment transport between environmental compartments:

No data available.

Persistence and degradability

Assessment biodegradation and elimination (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))

Bioaccumulation potential

Bioaccumulation potential:

No data available.

13. Disposal Considerations

Observe national and local legal requirements.

Waterborne aluminium preparation. Do not mix with organic paint residues and consider incompatibilities under section 10.

Contaminated packaging:

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

Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

14. Transport Information**Domestic transport:**

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

