

SAFETY DATA SHEET



Blasocut BC 25 MD

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Blasocut BC 25 MD
Article No. : 01250-23
Product description : Industrial use only. Metal working fluids

1.2 Relevant identified uses of the substance or mixture and uses advised against

| Identified uses |
|---|
| Industrial use only. Metal working fluids |
| Uses advised against |
| Consumer use. |

1.3 Details of the supplier of the safety data sheet

Manufacturer : BLASER SWISSLUBE AG
Winterseistrasse 22
CH-3415 Hasle-Rüegsau
Switzerland
Tel: +41 (0)34 460 01 01
E-Mail: contact@blaser.com

Supplier's details : Jemtech (UK) Ltd.
Ashdown Business Park
Maresfield, East Sussex TN22 2DU
Tel: +44 1825 767640
E-Mail: sales@jemtech.co.uk

e-mail address of person responsible for this SDS : reach@blaser.com

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : 111

Supplier

Telephone number : +44 1235 239670 (24h/7d)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Eye Irrit. 2, H319

Aquatic Chronic 3, H412

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.


See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Blasocut BC 25 MD

SECTION 2: Hazards identification

| | |
|--|---|
| Hazard pictograms | :  |
| Signal word | : Warning |
| Hazard statements | : H319 - Causes serious eye irritation. H412 - Harmful to aquatic life with long lasting effects. |
| <u>Precautionary statements</u> | |
| General | : Not applicable. |
| Prevention | : P280 - Wear eye or face protection. P273 - Avoid release to the environment. |
| Response | : P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| Storage | : Not applicable. |
| Disposal | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| Supplemental label elements | : Not applicable. |
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : Not applicable. |

2.3 Other hazards

| | |
|---|---|
| Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII | : This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Other hazards which do not result in classification | : None known. |

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

| Product/ingredient name | Identifiers | % | Classification | Type |
|---|---|-----|--|------|
| Sulfonic acids, petroleum, sodium salts | REACH #: 01-2119527859-22 EC: 271-781-5 CAS: 68608-26-4 | ≤10 | Eye Irrit. 2, H319 | [1] |
| 1-phenoxypropan-2-ol | REACH #: 01-2119486566-23 EC: 212-222-7 CAS: 770-35-4 | ≤10 | Eye Irrit. 2, H319 | [1] |
| Alcohols, C16-18 and C18-unsatd., ethoxylated | REACH #: 01-2119489407-26 EC: 500-236-9 CAS: 68920-66-1 | ≤3 | Skin Irrit. 2, H315 Aquatic Chronic 2, H411 | [1] |
| 2,2'-(methylinino)diethanol | REACH #: 01-2119488970-24 EC: 203-312-7 CAS: 105-59-9 Index: 603-079-00-5 | ≤3 | Eye Irrit. 2, H319 | [1] |
| 2-amino-2-methylpropanol | REACH #: 01-2119475788-16 | ≤3 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 | [1] |

Blasocut BC 25 MD

SECTION 3: Composition/information on ingredients

| | | | | |
|--|---|------|---|---------|
| Poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(octyloxy)-2-aminobutan-1-ol | EC: 204-709-8 CAS: 124-68-5 Index: 603-070-00-6 REACH #: Polymer CAS: 53563-70-5 REACH #: 01-2119492338-28 EC: 202-488-2 CAS: 96-20-8 | <3 | Aquatic Chronic 3, H412 | |
| tetraethyl silicate | REACH #: 01-2119496195-28 EC: 201-083-8 CAS: 78-10-4 Index: 014-005-00-0 | ≤0.3 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4, H302 Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) Flam. Liq. 3, H226 Acute Tox. 4, H332 Eye Irrit. 2, H319 STOT SE 3, H335 | [1] [2] |
| pyridine-2-thiol 1-oxide, sodium salt | REACH #: Biocide EC: 223-296-5 CAS: 3811-73-2 | <0.1 | Acute Tox. 4, H302 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 1, H372 (nervous system) Aquatic Acute 1, H400 (M=100) Aquatic Chronic 2, H411 EUH070 | [1] |
| 2-n-butyl-benzo[d]isothiazol-3-one | REACH #: Biocide EC: 420-590-7 CAS: 4299-07-4 | <0.1 | Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) See Section 16 for the full text of the H statements declared above. | [1] |

Additional information :

Neutralisation product: Equilibrium of Ionic Pairs according to REACH Annex V, 4.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Check for and remove any contact lenses. Get medical attention.

Blasocut BC 25 MD

SECTION 4: First aid measures

- Inhalation** : Avoid breathing vapour or mist. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Blasocut BC 25 MD

SECTION 5: Firefighting measures

- Hazardous combustion products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
sulfur oxides
metal oxide/oxides

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

- : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

6.4 Reference to other sections

- : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Blasocut BC 25 MD

SECTION 7: Handling and storage

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store between the following temperatures: -70 to 40°C (-94 to 104°F). Shelf life: 24 months. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|-------------------------|---|
| tetraethyl silicate | EH40/2005 WELs (United Kingdom (UK), 1/2020) TWA 8 hours: 44 mg/m ³ . TWA 8 hours: 5 ppm. |

Biological exposure indices

No exposure indices known.

- Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Not available.

PNECs

Not available.

8.2 Exposure controls

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Blasocut BC 25 MD

SECTION 8: Exposure controls/personal protection

- | | |
|--|---|
| Hygiene measures | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. |
| Eye/face protection | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. |
| <u>Skin protection</u> | |
| Hand protection | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Wear suitable gloves tested to EN374. Nitrile gloves. thickness 0.3 mm (minimum) . |
| Body protection | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved before handling this product. |
| Other skin protection | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved before handling this product. |
| Respiratory protection | : A respirator is not needed under normal and intended conditions of product use. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. |
| Environmental exposure controls | : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

- | | |
|---|--|
| Physical state | : Liquid. |
| Colour | : Brown. |
| Odour | : Characteristic. |
| Odour threshold | : Not available. |
| Melting point/freezing point | : Not available. |
| Pour point | : -24°C |
| Initial boiling point and boiling range | : Not available. |
| Flammability (solid, gas) | : Not available. |
| Upper/lower flammability or explosive limits | : Not available. |
| Flash point | : Open cup: 142°C (287.6°F) |
| Auto-ignition temperature | : Not available. |
| Decomposition temperature | : Not available. |
| pH | : 8.5 to 9.4 [Conc. (% w/w): 5%] |
| Viscosity | : Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C): 61 mm²/s |

Blasocut BC 25 MD

SECTION 9: Physical and chemical properties

| | |
|--|---|
| Solubility in water | : Not available. |
| Partition coefficient: n-octanol/ water | : Not applicable. |
| Vapour pressure | : Not available. |
| Evaporation rate | : Not available. |
| Relative density | : Not available. |
| Density | : 0.946 g/cm ³ [20°C (68°F)] |
| Vapour density | : Not available. |
| Explosive properties | : Not available. |
| Oxidising properties | : Not available. |
| Particle characteristics | |
| Median particle size | : Not applicable. |

SECTION 10: Stability and reactivity

| | |
|--|--|
| 10.1 Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
| 10.2 Chemical stability | : Shelf life: 24 months. |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10.4 Conditions to avoid | : No specific data. |
| 10.5 Incompatible materials | : No specific data. |
| 10.6 Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name

Sulfonic acids, petroleum, sodium salts

Result

Rat - Oral - LD50

>5 g/kg

Toxic effects: Gross Metabolite Changes - Weight loss or decreased weight gain

Rabbit - Dermal - LD50

>5000 mg/kg

1-phenoxypropan-2-ol

Rat - Oral - LD50

2830 mg/kg

Rat - Dermal - LD50

>2000 mg/kg

Rat - Inhalation - LC50 Dusts and mists

>5 mg/l [4 hours]

Alcohols, C16-18 and C18-unsatd., ethoxylated

Rabbit - Dermal - LD50

>2000 mg/kg

Rat - Oral - LD50

Blasocut BC 25 MD

SECTION 11: Toxicological information

| | |
|---|--|
| | >2000 mg/kg |
| 2,2'-(methylimino)diethanol | Rat - Oral - LD50 4780 mg/kg Rabbit - Dermal - LD50 >2000 mg/kg |
| 2-amino-2-methylpropanol | Rabbit - Dermal - LD50 >2000 mg/kg |
| Poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(octyloxy)- | Rat - Oral - LD50 >2000 mg/kg |
| tetraethyl silicate | Rat - Oral - LD50 >2500 mg/kg Rabbit - Dermal - LD50 5878 mg/kg |
| pyridine-2-thiol 1-oxide, sodium salt | Rabbit - Dermal - LD50 1800 mg/kg Rat - Female - Oral - LD50 1208 mg/kg |
| 2-n-butyl-benzo[d]isothiazol-3-one | Rat - Dermal - LD50 >2000 mg/kg Rat - Oral - LD50 4267 to 4732 mg/kg |

Conclusion/Summary [Product] : Not available.

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---------------------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| 1-phenoxypropan-2-ol | 2830 | N/A | N/A | N/A | N/A |
| 2,2'-(methylimino)diethanol | 4780 | N/A | N/A | N/A | N/A |
| 2-aminobutan-1-ol | 500 | N/A | N/A | N/A | N/A |
| tetraethyl silicate | N/A | 5878 | N/A | 11 | N/A |
| pyridine-2-thiol 1-oxide, sodium salt | 500 | 790 | N/A | N/A | 0.5 |

Skin corrosion/irritation

Not available.

Conclusion/Summary [Product] : pH value - Used for classification

Serious eye damage/eye irritation

Not available.

Conclusion/Summary [Product] : pH value - Used for classification

Respiratory corrosion/irritation

Not available.

Blasocut BC 25 MD

SECTION 11: Toxicological information

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name

tetraethyl silicate

Result

STOT SE 3, H335 (Respiratory tract irritation)

Specific target organ toxicity (repeated exposure)

Product/ingredient name

pyridine-2-thiol 1-oxide, sodium salt

Result

STOT RE 1, H372 (nervous system)

Aspiration hazard

Not available.

Information on likely routes of exposure

Not available.

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Blasocut BC 25 MD

SECTION 11: Toxicological information

| | |
|---------------------|--|
| Eye contact | : Adverse symptoms may include the following: pain or irritation watering redness |
| Inhalation | : No specific data. |
| Skin contact | : No specific data. |
| Ingestion | : No specific data. |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

| | |
|------------------------------------|------------------|
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |

Long term exposure

| | |
|------------------------------------|------------------|
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

| | |
|------------------------------|---|
| General | : No known significant effects or critical hazards. |
| Carcinogenicity | : No known significant effects or critical hazards. |
| Mutagenicity | : No known significant effects or critical hazards. |
| Reproductive toxicity | : No known significant effects or critical hazards. |

Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

4-phenoxypropan-2-ol

Result

LC50

Daphnia
370 mg/l [48 hours]

EC50

Algae
>100 mg/l [96 hours]

EC50

Fish
220 to 460 mg/l [96 hours]

2-amino-2-methylpropanol

LC50

Daphnia
193 mg/l [48 hours]

pyridine-2-thiol 1-oxide, sodium salt

EC50

Daphnia
0.0088 mg/l [48 hours]

EC50

Algae
0.0012 mg/l [72 hours]

2-n-butyl-benzo[d]isothiazol-3-one

EC50

Blasocut BC 25 MD

SECTION 12: Ecological information

Daphnia
0.093 mg/l [48 hours]

EC50
Algae
0.45 mg/l [72 hours]

LC50
Fish
0.15 mg/l [96 hours]

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|---|--------------------|-----|-----------|
| 1-phenoxypropan-2-ol | 1.41 | - | Low |
| Alcohols, C16-18 and C18-unsatd., ethoxylated | 4.2 | - | High |
| 2,2'-(methylimino)diethanol | -1.08 | - | Low |
| 2-amino-2-methylpropanol | -0.63 | - | Low |
| 2-aminobutan-1-ol | -0.45 | - | Low |
| tetraethyl silicate | 3.18 | - | Low |

12.4 Mobility in soil

Soil/water partition coefficient : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

| Product/ingredient name | PBT | P | B | T | vPvB | vP | vB |
|--|-----|----|----|-----|------|----|----|
| Sulfonic acids, petroleum, sodium salts | No | No | No | No | No | No | No |
| 1-phenoxypropan-2-ol | No | No | No | No | No | No | No |
| Alcohols, C16-18 and C18-unsatd., ethoxylated | No | No | No | No | No | No | No |
| 2,2'-(methylimino)diethanol | No | No | No | No | No | No | No |
| 2-amino-2-methylpropanol | No | No | No | No | No | No | No |
| Poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(octyloxy) | No | No | No | No | No | No | No |
| - | | | | | | | |
| 2-aminobutan-1-ol | No | No | No | No | No | No | No |
| tetraethyl silicate | No | No | No | No | No | No | No |
| pyridine-2-thiol 1-oxide, sodium salt | No | No | No | Yes | No | No | No |
| 2-n-butyl-benzo[d]isothiazol-3-one | No | No | No | No | No | No | No |

Blasocut BC 25 MD

SECTION 12: Ecological information

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Yes.

Waste catalogue

| Waste code | Waste designation |
|------------|--|
| 12 01 07* | mineral-based machining oils free of halogens (except emulsions and solutions) |
| 12 01 09* | machining emulsions and solutions free of halogens |

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | ADN | IMDG | IATA |
|--|----------------|---|----------------|----------------|
| 14.1 UN number | Not regulated. | 9006 | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name | - | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. | - | - |
| 14.3 Transport hazard class(es) | - | 9 | - | - |
| 14.4 Packing group | - | - | - | - |
| 14.5 Environmental hazards | No. | Yes. | No. | No. |

Additional information

ADN : The product is only regulated as a dangerous good when transported in tank vessels.

Blasocut BC 25 MD

SECTION 14: Transport information

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air : Not listed

Industrial emissions (integrated pollution prevention and control) - Water : Not listed

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

| List name | Ingredient name | Status |
|--------------|----------------------|--------|
| Schedule III | Methyldiethanolamine | Listed |

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Blasocut BC 25 MD

SECTION 15: Regulatory information

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety assessment

: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EUH statement = GB CLP-specific Hazard statement
N/A = Not available
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number
SGG = Segregation Group
vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

| Classification | Justification |
|---|--|
| Eye Irrit. 2, H319 Aquatic Chronic 3, H412 | Calculation method Calculation method |

Full text of abbreviated H statements

| | |
|--------|---|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH070 | Toxic by eye contact. |

Full text of classifications

| | |
|-------------------|---|
| Acute Tox. 3 | ACUTE TOXICITY - Category 3 |
| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| Aquatic Acute 1 | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 1 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1 |
| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
| Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 |
| Eye Dam. 1 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
| Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 |
| Skin Corr. 1 | SKIN CORROSION/IRRITATION - Category 1 |
| Skin Corr. 1B | SKIN CORROSION/IRRITATION - Category 1B |
| Skin Irrit. 2 | SKIN CORROSION/IRRITATION - Category 2 |

Blasocut BC 25 MD

SECTION 16: Other information

| | |
|--------------|---|
| Skin Sens. 1 | SKIN SENSITISATION - Category 1 |
| STOT RE 1 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |

IP346:

The contained refined mineral oils are exempt of labelling. The content of polycyclic aromatic hydrocarbons (PCA) according to IP346 is < 3% (DMSO-extract).

- Date of printing** : 31. Mar. 2025
- Date of issue/ Date of revision** : 31. Mar. 2025
- Date of previous issue** : 3. Mar. 2025
- Version** : 1.35
- Prepared by** : Product Stewardship Blaser Swissslube AG

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.