


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

- **1.1 Product identifier**
- **Trade name: Blasomill 5**
- **Article number:** 03200-51
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation:**
For industrial use only
Metal working fluid
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
BLASER SWISSLUBE AG
Winterseistrasse 22
CH-3415 Hasle-Rüegsau
Switzerland
Tel.: +41 (0)34 460 01 01
Fax: +41 (0)34 460 01 00
E-mail: blaser@blaser.com
- **Further information obtainable from:**
Product Safety Department
E-mail: sds@blaser.com
- **1.4 Emergency telephone number:**
Toxicological information Switzerland:
24-h-Emergency number: 145 (from abroad: +41 44 251 51 51)
Information: +41 44 251 66 66
For advice on chemical emergencies, spillages, fires or exposures: +44 1235 239670 (24h/7d)
Switzerland: Abbreviated dialing 145 (or: +41 (0)44/ 251 51 51) Toxicological Info-Centre CH-Zurich

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture:**
 - **Classification according to Regulation (EC) No 1272/2008**
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

 - **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
 - **Hazard pictograms**
- 

GHS08
- **Signal word** Danger
 - **Hazard-determining components of labelling:**
Distillates (petroleum), hydrotreated middle
Distillates (petroleum), hydro- treated light
 - **Hazard statements**
H304 May be fatal if swallowed and enters airways.
 - **Precautionary statements**
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
 - **2.3 Other hazards** None

Safety Data Sheet

according to 1907/2006/EC, Article 31 and 830/2015/EC

Printing date 06.08.2019

Version number 6

Revision: 06.08.2019

Trade name: Blasomill 5

(Contd. of page 1)

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Declarable, or hazardous components:**
CAS-no.

EC number: 934-956-3 Reg.nr.: 01-2119827000-58-0000	Distillates (petroleum), hydrotreated middle Asp. Tox. 1, H304	>50-<80%
CAS: 25307-17-9 EINECS: 246-807-3 Reg.nr.: 01-2119510876-35-0000	Alkenylimino-bis-ethanol Skin Corr. 1A, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302	<0.1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** Not applicable, as the concentrate is not volatile.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
Do not induce vomiting; call for medical help immediately.
A person vomiting while laying on their back should be turned onto their side.
- **4.2 Most important symptoms and effects, both acute and delayed** Nausea / vomiting
- **4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed or in case of vomiting, danger of entering the lungs.
Medical supervision for at least 48 hours.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

EU
(Contd. on page 3)

Trade name: Blasomill 5

(Contd. of page 2)

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. Observe the general safety regulations when handling chemicals.

- **Information about fire - and explosion protection:** No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

· Information about storage in one common storage facility:

Do not store together with oxidising and acidic materials.

Store away from oxidising agents.

· Further information about storage conditions:

Protect from heat and direct sunlight.

Optimal storage temperature between -20°C and +40°C.

Minimum shelf life: In closed original container, at least 36 months.

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values at the workplace:

General indication value for metalworking fluids (without obligation): 10 mg/m³.

- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

- **Respiratory protection:** Not required.

· Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the resultant standard EN 374.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The break through, among others, depending on material density and the type of glove and therefore must be determined in each individual case.

Gloves must be inspected prior to use. Replace when worn!

Impervious gloves: nitrile rubber, minimum thickness of 0.3 mm.

· Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Eye protector with side protection (framed eyeglasses) EN 166.

- **Body protection:** Protective work clothing

EU

(Contd. on page 4)

Trade name: Blasomill 5

(Contd. of page 3)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Liquid
Colour:	Light brown
Odour:	Characteristic
Odour threshold:	Not determined.

· pH-value: Not applicable.

· Change in condition:

Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	Not determined.
Drip point:	Not applicable
Pour point:	-54 °C (ISO 3016 / ASTM D97)

· Flash point: 134 °C (ISO 2592)

· Flammability (solid, gas): Not applicable.
· Ignition temperature: >350 °C (DIN 51794)

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits (@1013 mbar):

Lower:	Not determined.
Upper:	Not determined.

· Oxidising properties: Not applicable.

· Density at 20 °C: 0.85 g/cm³ (DIN 51757)

· Vapour density: Not applicable.
Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Insoluble.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Kinematic at 40 °C: 5 mm²/s (ISO 3104 / ASTM D445)

VOC (CH): 0.08 %

· 9.2 Other information: safety relevant data, which has to be considered as product specifications.

SECTION 10: Stability and reactivity

· 10.1 Reactivity None known if used as directed.

· 10.2 Chemical stability Stable under recommended storage conditions.

· 10.3 Possibility of hazardous reactions

Reacts with strong acids and oxidising agents.

Reacts with strong oxidising agents.

· 10.4 Conditions to avoid No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Sulphur oxides (SO_x)

(Contd. on page 5)

Trade name: Blasomill 5

(Contd. of page 4)

· **Additional information:**

- No hazardous decomposition products can be expected when properly handled and stored.
- Release of flammable substances in distillation systems with solvent recovery possible.
- Risk of accumulation in the solvent circuit.
- Formation of trimethyl pentene possible.
- Formation of hydrogen sulfide possible.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

Distillates (petroleum), hydrotreated middle

Oral	LD50	>5,000 mg/kg (rat) (Acute Oral Toxicity)
Dermal	LD50	>3,160 mg/kg (rabbit) (Acute Dermal Toxicity)

· **Primary irritant effect:**

- **Skin corrosion/irritation** Contact may decrease the skin and cause skin inflammation (dermatitis).
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

Distillates (petroleum), hydrotreated middle

LC50/48h	>3,193 mg/l (Acartia tonsa) (ISO 14669)
LC50/96h	>1,028 mg/l (Scopthalmus maximus) (OECD 203)
EC50/72h	>10,000 mg/L (Skeletonema costatum) (ISO 10253)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Do not allow product to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
-----------	--

(Contd. on page 6)

Trade name: Blasomill 5

(Contd. of page 5)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number - ADR, ADN, IMDG, IATA	Not regulated
- 14.2 UN proper shipping name - ADR, ADN, IMDG, IATA	Not regulated
- 14.3 Transport hazard class(es) - ADR, ADN, IMDG, IATA - Class	Not regulated
- 14.4 Packing group - ADR, IMDG, IATA	Not regulated
- 14.5 Environmental hazards: - Marine pollutant:	No
- 14.6 Special precautions for user	Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- IATA	IATA Dangerous Goods Regulation (DGR): latest edition
- UN "Model Regulation":	Not regulated

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008:** CLP/GHS label elements are issued under section 2.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients are listed.

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients are listed.

- **National regulations:**
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
This preparation does not contain any SVHC ("Substances of Very High Concern")
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 7)

Trade name: Blasomill 5

(Contd. of page 6)

Regulations / approvals / listings:

Information on REACH registration numbers in section 3:

If no REACH registration numbers on substances in section 3 are mentioned, then they are exempt from the REACH registration requirements (e.g. polymers).

RoHS:

The product is compliant with European Directives 2015/863/EC, 2011/65/EC, 2002/95/EC, WEEE 2002/96/EC, 2003/11/EC, 2005/53/EC and RoHS.

The following substances ARE NOT contained:

Pentabromodiphenylether, Octabromodiphenylether, polybrominated diphenylether (PBDE) and / or polybrominated biphenyls (PBB), Bis(2-ethylhexyl)phthalate (DEHP), Benzylbutylphthalate (BBP), Dibutylphthalate (DBP), Diisobutylphthalate (DIBP);

lead or it's compounds, cadmium or it's compounds, mercury or it's compounds, chromium Cr⁶⁺-compounds.

International Approvals:

TSCA (Toxic Substances Control Act, United States): all substances are registered and have CAS numbers.

TSE/BSE:

This product adheres to the standards of TSE/BSE-free products, according to European Community directives 93/42/EEC and 2003/32/EC.

Materials and/or synthetically modified materials which are of animal origin from bovine, ovine, goats, cats, dogs, deer, elk and/or mink, are NOT included in this product.

This product is entirely free from latex containing materials.

Department issuing SDS: Product Stewardship**Contact:** Mrs. Wilson + Mr. Feller**Editor's notice:**

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

RoHS: Restriction of Hazardous Substances

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

ATE: Acute Toxicity Estimate

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

*** Data compared to the previous version altered.**

The asterisk (*) on the left side indicate the respective changes from the previous version.