

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 05.02.2009

Revision: 05.02.2009

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name: BLASOCUT® 2000 Universal**
- **Article number:** 00870-66
- **Application of the substance / the preparation:** For industrial use only
- **Manufacturer/Supplier:**
Blaser Swissslube AG
Winterseistrasse 22
CH-3415 Hasle-Rüegsau
+41 (0)34 460 01 01
- **Further information obtainable from:**
Product safety dept.
sdb@blaser.com
reach@blaser.com
- **Information in case of emergency:**
Abbreviated dialing: 145 (or: ++41 (0)44/ 251 51 51) Toxicological Info-Centre CH-Zurich

2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Description:**
Mixture of mineral oils, emulsifiers, stabilizers, long chained chlorinated paraffins (>C18) and inhibitors.

· **Dangerous components:**

EINECS: 203-489-0	2-Methyl-pentane-2,4-diol	☒ Xi; R 36/38	1.0-5.9%
EINECS: 212-222-7	1-Phenoxypropan-2-ol	☒ Xi; R 36	1.0-2.9%

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

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **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:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
Observe the general safety regulations when handling chemicals.
- **Information about fire - and explosion protection:** No special measures required.
- **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 oxidizing and acidic materials.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Storage temperature between -70 °C and +40 °C.
Duration of storage: In closed, original container, at least 12 months.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
General indication value for refrigerating lubricants (without obligation): 10 mg/m³.

2-Methyl-pentane-2,4-diol (1.0-5.9%)

WEL	Short-term value: 123 mg/m ³ , 25 ppm
	Long-term value: 123 mg/m ³ , 25 ppm

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Material of gloves**
Suitable protective gloves: Nitril gloves, minimum thickness of 0.3 mm, e.g. Ultranitrl type 491.
Corresponds to the standards DIN/EN 374-2 and 374-3.
- **Penetration time of glove material**
The exact break trough 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

9 Physical and chemical properties (typical data)

· **General Information**

Form:	Liquid
Colour:	Green

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Odour:	like oranges
· Change in condition	
Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	> 300°C (DIN 51751)
· Drip point:	
Pour point	<- 30°C (ISO 3016)
· Flash point:	> 130°C (ISO 2592)
· Ignition temperature:	> 500°C (DIN 51794)
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	0.97 g/cm ³ (DIN 51757)
· Solubility in / Miscibility with water:	Emulsifiable.
· pH-value:	8.5 - 9.2 (@ 50 g/l H ₂ O) DIN 51369
· Viscosity:	
Kinematic:	46 mm ² /s @ 40°C (ISO 3104)
· Additional information:	safety relevant data, which has to be considered as product specifications.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions:** Reacts with strong acids and oxidizing agents.
- **Dangerous decomposition products:**
Hydrogen chloride (HCl)
Carbon monoxide and carbon dioxide

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
> 15,000 mg / kg (oral, rat)
> 8'100 mg/m³ 4h (inhalation, rat)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

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Water Hazard Class (Self-classification) in the the dilution of application. 1

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13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

12 01 06	mineral-based machining oils containing halogens (except emulsions and solutions)
12 01 08	machining emulsions and solutions containing halogens

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

14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.

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.

- **RoHS:**
The product is compliant with European Directives 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 (PDBE) and / or polybrominated biphenyls (PBB), lead or it's compounds, cadmium or it's compounds, mercury or it's compounds, chromium-6 + compounds.
- **IP346:**
The contained refined mineral oils are exempt of labelling.
The content of polycyclic aromatic hydrocarbons (PCA) according to IP346 is <3% (DMSO-extract).
- **Relevant R-phrases**
36 Irritating to eyes.
36/38 Irritating to eyes and skin.
- **The product does not contain:**
Nitrite, nitrite separators, formaldehyde, formaldehyde separators, triazine (HHT), boric acid esters, secondary amines, diethanolamine, NDELA and/or nitrosamines, active sulphur, silicones, PCP (pentachlorophenol), PCB, PCT, TCDD or other dioxine-containing substances.
- **Department issuing MSDS:** Product Safety Department
- **Contact:** Mr. Frei
- *** Data compared to the previous version altered.**