

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

Product identifier

Trade name: BLASOCUT® 2000 CF HDD

Article number: 00875-72

Application of the substance / the preparation:

For industrial use only
Cooling lubricant / Cutting fluid

Details of the supplier of the safety data sheet

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

Emergency telephone number:

Abbreviated dialing: 145 (or: ++41 (0)44/ 251 51 51) Toxicological Info-Centre CH-Zurich

2 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of mineral oil, emulsifiers, stabilizers and inhibitors.

Declarable, or hazardous components:

CAS-no.

68608-26-4	Sodium petroleum sulfonate	H312	5,0-9,9%
107-41-5	2-Methyl-pentane-2,4-diol	H315; H319; H227	1,0-5,9%

3 Hazards identification

Classification of the substance or mixture:

H303 May be harmful if swallowed.

H313 May be harmful in contact with skin.

H333 May be harmful if inhaled.

GHS label elements

The product is classified and labelled according to the Globally Harmonized System (GHS).

Hazard pictograms Void

Signal word Warning

Hazard statements

H303 May be harmful if swallowed.

H313 May be harmful in contact with skin.

H333 May be harmful if inhaled.

4 First aid measures

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 Firefighting measures

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray.

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For safety reasons unsuitable extinguishing agents: Water with full jet
Special hazards arising from the substance or mixture No further relevant information available.
Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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.

7 Handling and storage

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.
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.
Store away from oxidizing agents.
Further information about storage conditions:
Protect from heat and direct sunlight.
Storage temperature between 0°C and +40°C.
Duration of storage: In closed original container, at least 12 months.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.
Ingredients with limit values at the workplace:
General indication value for refrigerating lubricants (without obligation): 10 mg/m³.
Additional information: The lists valid during the making were used as basis.
Personal protective equipment:
General protective and hygienic measures: Wash hands before breaks and at the end of work.
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 through 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

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9 Physical and chemical properties

General Information

Appearance:

Form:	Liquid
Colour:	Brown
Odour:	like oranges

pH-value:	8,0 - 9,0 @ 50 g/l H ₂ O (DIN 51369)
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Change in condition

Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	> 300°C (DIN 51751)
Drip point:	Not applicable
Pour point:	< 0°C. (ISO 3016)

Flash point:	147°C (ISO 2592)
Ignition temperature:	> 500°C (DIN 51794)

Self-igniting:	Product is not selfigniting.
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Danger of explosion:	Product does not present an explosion hazard.
Refractive index:	1.486

Density at 20°C:	0,94 g/cm ³ (DIN 51757)
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Solubility in / Miscibility with water:	Emulsifiable.
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Viscosity:

Kinematic:	59 mm ² /s @ 40°C (ISO 3104)
Other 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.

Incompatible materials: No further relevant information available.**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

Acute toxicity:

LD/LC50 values relevant for classification:

> 2000 - < 5000 mg / kg (oral, rat)

> 5,100 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.

12 Ecological information

Aquatic toxicity: No further relevant information available.**Persistence and degradability** No further relevant information available.**Bioaccumulative potential** No further relevant information available.

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Additional ecological information:**General notes:** Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

Waste treatment methods**Recommendation**

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

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

14 Transport information

UN-Number

ADR, ADN, IMDG, IATA

Void

UN proper shipping name

ADR, ADN, IMDG, IATA

Void

Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

Packing group

ADR, IMDG, IATA

Void

Environmental hazards:**Marine pollutant:**

No

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above specifications.

UN "Model Regulation":

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15 Regulatory information

National regulations: none

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.

Regulations / approvals / listings:

Information on REACH registration numbers in section 3:

In case of lack of REACH registration numbers on mentioned hazardous substances at the end of 2010, then these numbers will be known and indicated only in section 3 within its tonnage band for registration, after the end of 2013, respectively by the end of 2018, or are exempt from the REACH regulation (e.g. polymers).

RoHS:

The product is compliant with European Directives 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 (PDBE) and / or polybrominated biphenyls (PBB), lead or it's compounds, cadmium or it's compounds, mercury or it's

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compounds, chromium Cr⁶⁺-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 phrases

H227 Combustible liquid.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Department issuing MSDS: Product Safety Department

Contact: Mr. Frei

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 Organization

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 Harmonized 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 Organization for Standardization

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern (REACH)

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

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

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