

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

Printing date 26.05.2010

Revision: 26.05.2010

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

- **Product details**
- **Trade name: BLASOLUBE® Grease G1**
- **Article number:** 28013-01
- **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 has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **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:** Mineral oil containing lubricating grease with bentonite as thickener.

· **Declarable, or hazardous components:**

EINECS: 272-028-3	Zinc dialkyldithiophosphate	Xi,  N; R 38-41-51/53	0.1-0.9%
EINECS: 204-414-9	Imidazoline - derivative	C,  Xn,  N; R 22-34-50/53	0.1-0.5%
EINECS: 201-983-0	N-1-naphthylaniline	Xi,  N; R 43-50/53	< 0.25%

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

**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 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.

GB

(Contd. on page 2)

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(Contd. of page 1)

**6 Accidental release measures**

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
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).

**7 Handling and storage**

- **Handling:**
- **Information 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:** 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 original container, at least 3 years.

**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:** TLV value (oil mist) CH: 5 mg/m<sup>3</sup>
- **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. Ultranitril 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**

<b>Form:</b>	Liquid
<b>Colour:</b>	Brown
<b>Odour:</b>	Mineral-oil-like

· **Change in condition**

**Melting point/Melting range:** Not applicable  
**Boiling point/Boiling range:** > 300°C (DIN 51751)

(Contd. on page 3)

**Safety Data Sheet**  
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Revision: 26.05.2010

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(Contd. of page 2)

<b>Drip point:</b>	not determined or not disposable
· <b>Flash point:</b>	> 200°C (ISO 2592) (Value for the processed mineral-, ester- or synthetic oil)
· <b>Ignition temperature:</b>	Not applicable
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density at 20°C:</b>	0.93 g/cm <sup>3</sup> (DIN 51757)
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Viscosity: Penetration</b>	265 - 295 mm/10 @ 20°C. ISO 2137
· <b>Additional information:</b>	safety relevant data, which has to be considered as product specifications.

**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:**  
Can decompose with localised heating above 350°C.
- **Materials to be avoided:**
- **Dangerous reactions:** Reacts with strong oxidizing agents.
- **Dangerous decomposition products:**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides (NO<sub>x</sub>)

**11 Toxicological information**

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**  
2000 - 5000 mg / kg (oral, rat)  
> 5,100 mg/m<sup>3</sup> 4h (inhalation, rat)

**N-1-naphthylaniline**

Oral LD50 1625 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

**12 Ecological information**

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Harmful to aquatic organisms

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(Contd. on page 4)

**Safety Data Sheet**  
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(Contd. of page 3)

**13 Disposal considerations**

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

· <b>European waste catalogue</b>
12 01 12   spent waxes and fats

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

**14 Transport information**

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

**15 Regulatory information**

- **Labelling according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Risk phrases:**  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**  
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- **Special labelling of certain preparations:**  
Contains N-1-naphthylaniline, phenothiazine. May produce an allergic reaction.
- **National regulations:**
- **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")

**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:**

(Contd. on page 5)

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(Contd. of page 4)

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**

22 Harmful if swallowed.

34 Causes burns.

38 Irritating to skin.

41 Risk of serious damage to eyes.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**• The product does not contain:**

PCB, PCT, TCDD (tetrachlorodibenzodioxin) and other dioxin-like substances.

• **Department issuing MSDS:** Product Safety Department

• **Contact:** Mr. Frei

• **Abbreviations and acronyms:** RoHS: Restriction of Hazardous Substances

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

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