

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

Printing date 25.08.2009

Revision: 25.08.2009

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

- **Product details**
- **Trade name: BLASOLUBE® Lithium Complex Grease**
- **Article number:** 04811-01
- **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 grease with a lithium complex soap as thickener.

· **Dangerous components:**

EINECS: 234-409-2	Naphthenic acid, zinc salt	 Xi,  N; R 36/38-51/53	1.0-4.9%
EINECS: 272-028-3	Zinc dialkyldithiophosphate	 Xi,  N; R 36/38-51/53	0.1-0.9%
EINECS: 279-632-6	Amine phosphate	 Xi,  N; R 36/38-51/53	0.1-0.9%

- **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.

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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:** Pick up mechanically.

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 that require monitoring at the workplace:**
TLV value (oil mist) CH: 5 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. 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**

Form:	Pasty
Colour:	Light yellow
Odour:	Mineral-oil-like

· **Change in condition**

Melting point/Melting range:	Not applicable
Drip point:	> 280 °C (ISO 2176)

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· Flash point:	> 150°C (ISO 2592)
· Ignition temperature:	Not applicable
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	0.95 g/cm ³ (DIN 51757)
· Solubility in / Miscibility with water:	Insoluble.
· Viscosity: Penetration	265 - 295 mm/10 @ 20°C. ISO 2137
· 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 oxidizing agents.
- **Dangerous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)

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

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **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.
Harmful to aquatic organisms

13 Disposal considerations

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

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- **European waste catalogue**
- | | |
|----------|----------------------|
| 12 01 12 | spent waxes and fats |
|----------|----------------------|

- **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:**
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.
- **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:**
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**
36/38 Irritating to eyes and skin.
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.**