


## 1 Identification

- **Product identifier**
- **Trade name: Blasolube® 440 (Spezialfett)**
- **Article number:** 00440-01
- **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  
Grease
- **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  
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- **Information department:**  
Product Safety Department  
E-mail: sds@blaser.com
- **Emergency telephone number:**  
Switzerland: Abbreviated dialing 145 (or: ++41 (0)44/ 251 51 51) Toxicological Info-Centre CH-Zurich

## 2 Hazard(s) identification

- **OSHA/HCS status**  
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
  - **Classification of the substance or mixture**  
Causes skin irritation.  
Causes serious eye damage.
  - **Label elements**
  - **GHS label elements** The product is classified and labeled according to 29 CFR 1910.1200 (OSHA Hazcom 2012).
  - **Hazard pictograms**
- 

GHS05
- **Signal word** Danger
  - **Hazard-determining components of labeling:**  
calcium dihydroxide
  - **Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.
  - **Precautionary statements**  
P280 Wear protective gloves / eye protection.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **Other hazards** None

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**· **Description:**

Mixture of the substances listed below with nonhazardous additions.  
Mineral oil containing lubricating grease with calcium soap as thickener

· **Declarable components:****CAS no.**

64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	>50-<80%
1305-62-0	calcium dihydroxide	>20-<30%

· **Additional information:**

The specific chemical identity and/or exact percentage concentration of proprietary components is withheld as a trade secret.

### 4 First-aid measures

· **Description of first aid measures**· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.  
Not applicable, as the concentrate is not volatile.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.· **After swallowing:** If symptoms persist consult doctor.· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed** No further relevant information available.· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

· **Extinguishing media**· **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **Special hazards arising from the substance or mixture** No further relevant information available.· **Advice for firefighters**· **Protective equipment:** No special measures required.· **Additional information** Cool endangered receptacles with water spray.

### 6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.· **Methods and material for containment and cleaning up:**

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

· **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.

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## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Thorough dedusting.  
The product has been classified and marked in accordance with directives on hazardous materials.  
Observe the general safety regulations when handling chemicals.
- **Information about protection against explosions and fires:** No special measures required.
- **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 oxidizing and acidic materials.  
Store away from oxidizing agents.
- **Further information about storage conditions:**  
Protect from heat and direct sunlight.  
Optimal storage temperature between +32°F and +104°F  
Keep receptacle tightly sealed.  
Duration of storage: In original container, at least 3 years.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values at the workplace:**  
TLV value (oil mist) CH: 5 mg/m<sup>3</sup>

### 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic

ACGIH TLV (US) Long-term value: 5 mg/m<sup>3</sup>OSHA PEL (US) Long-term value: 5 mg/m<sup>3</sup>

### 1305-62-0 calcium dihydroxide

EL (Canada) Long-term value: 5 mg/m<sup>3</sup>EV (Canada) Long-term value: 5 mg/m<sup>3</sup>PEL (USA) Long-term value: 15\* 5\*\* mg/m<sup>3</sup>  
\*total dust \*\*respirable fractionREL (USA) Long-term value: 5 mg/m<sup>3</sup>TLV (USA) Long-term value: 5 mg/m<sup>3</sup>

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the skin.  
Avoid contact with the eyes and skin.
- **Respiratory Protection:** Not required.
- **Protection of hands:**



Protective gloves

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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 (recommended):** Suitable protective gloves: Nitrile gloves, minimum thickness of 0.3 mm.

- **Breakthrough 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 (recommended):**

Eye protector with side protection (framed eyeglasses) ANSI Z87.1 – 2010

Use of tight fitting goggles

- **Body protection (recommended):** Protective work clothing

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

Form:	Pasty
Color:	Light brown
Odor:	Mineral-oil-like
Odor threshold:	Not determined.

- pH-value: Not applicable.

#### Change in condition:

Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	Not determined.

- Flash point: >200 °C (>392 °F) (ISO 2592 / ASTM D92)  
(Value for the processed mineral-, ester- or synthetic oil)

- Evaporation rate: Not determined.

- Flammability (solid, gaseous): Not applicable.

#### Explosion limits (@1013 mbar):

Lower:	Not determined.
Upper:	Not determined.

- Oxidizing properties: Not applicable.
- Relative density: 1.11 @ 68°F (20°C) (DIN 51757 / ASTM D1217)
- Vapor density: Not applicable.
- Evaporation rate: Not applicable.

#### Solubility in / Miscibility with

Water:	Insoluble.
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- Partition coefficient (n-octanol/water): Not determined.
- Auto-ignition temperature: Product is not selfigniting.
- Decomposition temperature: Not determined.

#### Viscosity

Dynamic:	Not applicable.
Kinematic:	Not applicable.
Penetration:	NLGI class: 1

- VOC content: Not determined.

- Other information: none

## 10 Stability and reactivity

- **Reactivity** None known if used as directed.

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- **Chemical stability** Stable under recommended storage conditions.
- **Thermal decomposition / conditions to be avoided:**  
Can decompose slowly with localized heating above 350°F. (350°C.)
- **Possibility of hazardous reactions**  
Reacts with strong acids and oxidizing agents.  
Reacts with strong oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products (in case of fire or oxidation):**  
Carbon monoxide and carbon dioxide

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

### 1305-62-0 calcium dihydroxide

Oral	LD50	7,340 mg/kg (rat)
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### 64743-00-6 Hydrocarbon waxes (petroleum), oxidized

Oral	LD50	>5,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rabbit)
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- **Primary irritant effect:**
- **on the skin:** Causes skin irritation.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed in groups 1, 2A, or 2B.

- **NTP (National Toxicology Program)**

None of the ingredients are listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **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.  
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Used containers**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |  |   |
|--|---|
| · <b>UN-Number</b>                             |   |
| · <b>DOT, IMDG, IATA</b>                       | Not regulated   |
| · <b>DOT, IMDG, IATA</b>                       | Not regulated   |
| · <b>DOT, IMDG, IATA</b>                       |   |
| · <b>Hazard Classification:</b>                | Not regulated   |
| · <b>DOT, IMDG, IATA</b>                       | Not regulated   |
| · <b>Environmental hazards</b>                 |   |
| · <b>Marine pollutant (according to IMDG):</b> | No  |
| · <b>Special precautions for user</b>          | Not applicable.                                       |
| · <b>Transport/Additional information:</b>     | Not hazardous according to the above specifications.  |
| · <b>IATA</b>                                  | IATA Dangerous Goods Regulation (DGR): latest edition |
| · <b>UN "Model Regulation":</b>                | Not regulated   |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

- **SARA (Superfund Amendments and Reauthorization)**

- **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

This product does not contain a chemical that are listed in Section 313.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed on the U.S. TSCA inventory or exempt from premanufacture notice requirements.

- **California Proposition 65**

This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

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· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

· **NIOSH-Carcinogen list**

None of the ingredients are listed.

- **California SCAQMD Rule 1144:** This product is supercompliant with the requirements for California SCAQMD.
- **GHS label elements** GHS label elements are issued under section 2.

## 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.

· **H.R.2420 (RoHS):**

This product fulfill the H.R.2420 requirements in that the EDEE Act regulated materials are absent or their concentrations are significantly below regulatory thresholds.

· **IP346:**

The mineral oil used in this product passes IP346 for DMSO extractable PAHs (Polycyclic aromatic hydrocarbons).

· **BSE/TSE:**

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.

· **NFPA ratings (scale 0-4)**



Health = 2  
Fire = 1  
Reactivity = 0

· **Department issuing SDS:** Product Stewardship

· **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.

· **Date of preparation / last revision** 01/09/2018 / 5

· **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)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

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

VOC: Volatile Organic Compounds (USA, EU)

ISO: International Organisation for Standardisation

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

DMSO: Dimethyl sulphoxide extract

IP 346: Institute of Petroleum and related for testing methods for petroleum and fuel products.

PBT: Persistent, Bioaccumulative and Toxic chemicals

vPvB: very Persistent and very Bioaccumulative chemicals

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

ATE: Acute Toxicity Estimate

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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**Safety Data Sheet**  
acc. to 29 CFR 1910.1200 (OSHA Hazcom 2012)

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

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

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

USA

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