

## 1 Identification

### Product identifier

**Trade name:** Blasolube® 462 (Lithium grease)

**Article number:** 00462-01

**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

Lubricant

Grease

### Details of the supplier of the safety data sheet

#### Manufacturer / Supplier:

BLASER SWISSLUBE AG

Winterseistrasse 22

CH-3415 Hasle-Rüegsau

Switzerland

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BLASER SWISSLUBE, Inc.

31 Hatfield Lane

Goshen, NY 10924

USA

Phone: +1 (0) 845 294 32 00

Fax : +1 (0) 845 294 31 02

Mailto: mailboxusa@blaser.com

#### Information department:

Product Safety Department

E-mail: sds@blaser.com

#### Emergency telephone number:

For advice on chemical emergencies, spillages, fires or exposures: +1 866 928 0789 (Toll free).

## 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

May cause an allergic skin reaction.

### Label elements

**GHS label elements** The product is classified and labeled according to 29 CFR 1910.1200 (OSHA Hazcom 2012).

### Hazard pictograms



**Signal word** Warning

### Hazard-determining components of labeling:

N-1-naphtylaniline

### Hazard statements

H317 May cause an allergic skin reaction.

### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves.

P302+P352 If on skin: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

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USA

# Safety Data Sheet

acc. to 29 CFR 1910.1200 (OSHA Hazcom 2012)

Issued on 08/21/2020

Edition number 7

Reviewed on 08/21/2020

**Trade name: Blasolube® 462 (Lithium grease)**

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 lithium soap as thickener.

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

64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	>50-<80%
90-30-2	N-1-naphtylaniline	<0.5%

**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:**

 Supply fresh air and to be sure call for a doctor.  
 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.

**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** Not required.

**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

**Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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**Trade name: Blasolube® 462 (Lithium grease)**

See Section 13 for disposal information.

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## 7 Handling and storage

### Handling:

#### Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

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:** 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

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>

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

**Respiratory Protection:** Not required.

#### Protection of hands:



Protective gloves

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

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

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## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

##### Appearance:

<b>Form:</b>	Pasty
<b>Color:</b>	Brown
<b>Odor:</b>	Mineral-oil-like
<b>Odor threshold:</b>	Not determined.

**pH-value:** Not applicable.

#### Change in condition:

<b>Melting point/Melting range:</b>	Not applicable
<b>Boiling point/Boiling range:</b>	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):

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Oxidizing properties** Not applicable.

**Relative density** 0.92 @ 68°F (20°C) (DIN 51757 / ASTM D1217)

**Vapor density** Not applicable.

**Evaporation rate** Not determined.

**Evaporation rate** Not applicable.

#### Solubility in / Miscibility with

<b>Water:</b>	Insoluble.
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**Partition coefficient (n-octanol/water):** Not determined.

**Auto-ignition temperature:** Product is not selfigniting.

**Decomposition temperature:** > 350°C. (> 662°F)

#### Viscosity

<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Penetration:</b>	270-290 mm/10 @ 25°C ( 77°F ) (ISO 2137 / ASTM D217) NLGI class: 2

**VOC content:** Not determined.

**Other information:** none  
No further relevant information available.

## 10 Stability and reactivity

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

**Chemical stability** Stable under recommended storage conditions.

#### Thermal decomposition / conditions to be avoided:

Can decompose slowly with localized heating above 662°F. (350°C.)

**Possibility of hazardous reactions** Reacts with strong oxidizing agents.

**Conditions to avoid** No further relevant information available.

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**Trade name: Blasolube® 462 (Lithium grease)**

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**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:**
**64743-00-6 Hydrocarbon waxes (petroleum), oxidized**

Oral LD50 &gt;5,000 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rabbit)

**90-30-2 N-1-naphtylaniline**

Oral LD50 1,625 mg/kg (rat)

Dermal LD50 &gt;5,000 mg/kg (rabbit)

**Primary irritant effect:**
**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** Sensitization possible through skin contact.

**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:**
**90-30-2 N-1-naphtylaniline**

NOEC/21d 0.025 mg/l (Daphnia magna)

EC50/96h &gt;10,000 mg/L (Bel) (OECD 209)

0.44 mg/L (Oncorhynchus mykiss) (OECD 203)

EC50/48h 0.32 mg/L (Daphnia magna) (OECD 202)

EC50/72h 0.25 mg/L (Algae) (OECD 201)

**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.

**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

**UN-Number**
**DOT, IMDG, IATA**

Not regulated

**DOT, IMDG, IATA**

Not regulated

**DOT, IMDG, IATA**
**Hazard Classification:**

Not regulated

**DOT, IMDG, IATA**

Not regulated

**Environmental hazards**
**Marine pollutant (according to IMDG):** No

**Special precautions for user**

Not applicable.

**Transport/Additional information:**

Not hazardous according to the above specifications.

**IATA**

IATA Dangerous Goods Regulation (DGR): latest edition

**UN "Model Regulation":**

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 contains one or more chemicals listed under California Proposition 65. Such chemicals are not used as raw materials in the product formulation but rather are typical impurities.

**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:** Not applicable.

**GHS label elements** GHS label elements are issued under section 2.

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## 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 PAH's (Polycyclic aromatic hydrocarbons).

### BSE/TSE:

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.

### NFPA ratings (scale 0-4)



Health = 0

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.

### 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 Sens. 1: Skin sensitisation – Category 1

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

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