

# Pulsarlube OL5 (High Temperature OIL)

## 1. MANUFACTURER INFORMATION

1) Product Name : PULSARLUBE OL5 (High Temperature OIL)

2) Recommended use of the chemical and restrictions on use

A. Product description : Industrial For professional use only

B. Restrictions on use : No uses known.

3) Supplier's details

Pulsarlube GmbH

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## 2. HAZARDS IDENTIFICATION

1) Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

**Adverse physicochemical, human health and environmental effects**

No additional information available

2) Label elements including precautionary statements

○ Pictogram

Not applicable

○ Signal word : Not applicable

○ Hazard/Risk Statement :

H412 - Harmful to aquatic life with long lasting effects.

○ Precautionary Statement

P273 - Avoid release to the environment

P501 - Dispose of container to an approved waste disposal plant.

○ EUH-statements

EUH208 - Contains N-PHENYL-1-NAPHTHYLAMINE\_1.2, 1H-Benzotriazole-1-methenamine,N,N-bis(2-ethylhexyl)-ar-methyl\_1.1. May produce an allergic reaction

3) Other Hazard Risk which do not included in the classification criteria

No additional information available

**PSDS (Product Safety Data Sheet)**
**3. COMPOSITION/INFORMATION ON INGREDIENTS**
**Substances**

Not applicable

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-PHENYL-1-NAPHTYLAMINE	(CAS-No.) 90-30-2 (EC-No.) 201-983-0 (REACH-no) 01-2119488704-27	0 - 5	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	(CAS-No.) 192268-65-8 (EC-No.) 421-820-9 (EC Index-No.) 607-501-00-9 (REACH-no) 01-2119480426-35	0,1 - 1	Repr. 2, H361d Aquatic Chronic 4, H413
1H-Benzotriazole-1-methenamine,N,N-bis(2-ethylhexyl)-ar-methyl	(CAS-No.) 94270-86-7 (REACH-no) 01-2119982395-25	0,05 - 0,2	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

**4. FIRST AID MEASURES**
**General advice**

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**In case of skin contact**

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**If inhaled**

Allow affected person to breathe fresh air. Allow the victim to rest.

**In case of eye contact**

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

**If swallowed**

Do NOT induce vomiting. Obtain emergency medical attention..

**Most important symptoms and effects, both acute and delayed**

No additional information available

**Indication of any immediate medical attention and special treatment needed**

No additional information available

**5. FIRE FIGHTING MEASURES**
**Extinguishing media**
**Suitable extinguishing media**

Foam. Dry powder. Carbon dioxide. Water spray.

**Unsuitable extinguishing media**

Do not use a heavy water stream

**Special hazards arising from the substance or mixture**

No additional information available

**Advice for firefighters**
**Firefighting instructions**

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

**Protection during firefighting**

Do not enter fire area without proper protective equipment, including respiratory protection.

**PSDS (Product Safety Data Sheet)****6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

For non-emergency personnel : Evacuate unnecessary personnel.

**For emergency responders**

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

**Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

**Methods and materials for containment and cleaning up**

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials

**Reference to other sections**

See Heading 8. Exposure controls and personal protection.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

**Conditions for safe storage, including any incompatibilities**

Storage conditions : Store in original container. Store in a dry place. Store in a closed container.

Incompatible products : Strong oxidisers.

**Specific end uses**

No additional information available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

No additional information available

**Exposure controls****Personal protective equipment****Eye protection**

Chemical goggles or safety glasses

**Hand protection Material**

Wear protective gloves.

**Materials for protective clothing**

Protective clothing.

**Skin and body protection**

Wear suitable protective clothing

**Respiratory protection**

Wear appropriate mask.

**Other information**

Do not eat, drink or smoke during use.

## PSDS (Product Safety Data Sheet)

### 9. PHYSICAL AND CHEMICAL PROPERTIES

r) Appearance	liquid, yellow
b) Odour	characteristic.
c) Odour threshold	no data available
d) pH	no data available
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	> 280 °C
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapor pressure	no data available
l) Solubility	Insoluble in Water
m) Vapor density	no data available
n) Relative density	0,96 @ 20°C
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Formula mass	no data available

#### Other information

No additional information available

### 10. STABILITY AND REACTIVITY

#### Reactivity

Stable at ambient temperature and under normal conditions of use.

#### Chemical stability

Stable under normal conditions.

#### Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### Conditions to avoid

No additional information available

#### Incompatible materials

Strong oxidisers.

#### Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

**PSDS (Product Safety Data Sheet)**
**11. TOXICOLOGICAL INFORMATION**
**Information on toxicological effects**

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives (192268-65-8)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

1H-Benzotriazole-1-methenamine,N,N-bis(2-ethylhexyl)-ar-methyl (94270-86-7)	
LD50 oral rat	3313 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

**12. ECOLOGICAL INFORMATION**
**Toxicity**

Ecology - water	: Harmful to aquatic life with long lasting effects.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.

N-PHENYL-1-NAPHTYLAMINE (90-30-2)	
LC50 fish 1	0,5 mg/l
LC50 other aquatic organisms 1	0,5 mg/l
EC50 other aquatic organisms 2	> 10000 mg/l

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives (192268-65-8)	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 100 mg/l

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EC50 72h algae (1)	> 100 mg/l
NOEC (chronic)	> 5,5 mg/l

1H-Benzotriazole-1-methenamine,N,N-bis(2-ethylhexyl)-ar-methyl (94270-86-7)	
LC50 fish 1	1,3 mg/l
EC50 Daphnia 1	1,93 mg/l
ErC50 (algae)	0,976 mg/l

**Persistence and degradability**

ESTAR 250 SUPER	
Persistence and degradability	May cause long-term adverse effects in the environment

**Bioaccumulative potential**

ESTAR 250 SUPER	
Bioaccumulative potential	Not established.

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives (192268-65-8)	
Log Pow	4,8 - 8,8 @ 22°C and pH 6.7

**Mobility in soil**

No additional information available

**Results of PBT and vPvB assessment**

No additional information available

**Other adverse effects**

Additional information

: Avoid release to the environment.

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 13 02 06\* - synthetic engine, gear and lubricating oils

### 14. TRANSPORT INFORMATION

In accordance with ADR/ RID / IMDG / IATA / ADN

**UN number**

ADR/RID: - IMDG: - IATA: - ADN: -

**UN proper shipping name**

ADR/RID: - IMDG: - IATA: - ADN: -

**Transport hazard class(es)**

ADR/RID: - IMDG: - IATA: - ADN: -

**Packaging group**

ADR/RID: - IMDG: - IATA: - ADN: -

**Environmental hazards**

Dangerous for the environment : No Marine pollute: No

Other information: No supplementary information available

**Special precautions for user**
**Overland transport** : No data available

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**Transport by sea** : No data available  
**Air transport** : No data available  
**Inland waterway transport** : No data available  
**Rail transport** : No data available

**Transport in bulk according to Annex II of Marpol and the IBC Code**  
 Not applicable

## 15. REGULATORY INFORMATION

### EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
 Contains no substance on the REACH candidate list  
 Contains no REACH Annex XIV substances  
 Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.  
 Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

### National regulations

#### Germany

Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water  
 (Classification according to AwSV, Annex 1)  
 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
 SZW-lijst van mutagene stoffen : None of the components are listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed  
 NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

#### Denmark

Pregnant/breastfeeding women working with the product must not be in direct contact with the product  
 Danish National Regulations : The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### Chemical safety assessment

No chemical safety assessment has been carried out

## 16. OTHER INFORMATION

### 1) Source of the data

- (1) Chemical manufacturer's information : SDS(SAFETY DATA SHEET) Data
- (2) Chem Guide CAS DataBase
- (3) Corporate Solution From Thomson Micromedex(<http://csi.micromedex.com>)
- (4) ECB-ESIS(European chemical Substances Information System)(<http://ecb.jrc.it/esis>)
- (5) ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
- (6) IUCLID Chemical Data Sheet, EC-ECB

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- (7) International Chemical Safety Cards(ICSC)(<http://www.nihs.go.jp/ICSC>)
  - (8) TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)
  - (9) The Chemical Database, The Department of Chemistry at the University of Akron  
(<http://ull.chemistry.uakron.edu/erd>)
  - (10) Korea Information System for Chemical Safety, KISChem (<http://kischem.nier.go.kr>)
  - (11) Chemical information system (<http://ncis.nier.go.kr>)
  - (12) Grease Raw material manufacturer's information : PSDS(PRODUCT SAFETY DATA SHEET) Data
- 2) The first creation date : 2020.04.06
- 3) The number of times, and the final revision date : Revision times 00  
The final revision date : 2020.04.06

**Further information**

*Pulsarlube has prepared copyrighted Product Safety Datasheets to provide information on the different Pulsarlube automatic grease lubricator systems. As defined in above the text Pulsarlube automatic grease lubricator are manufactured articles, which do not result in exposure to a hazardous chemical under normal conditions of use. The information and recommendations set forth herein are made in good faith, for information only, and are believed to be accurate as of the date of preparation. However, Pulsarlube, Inc. MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM REFERENCE ON IT.*