# Alfa Laval Lubricating Paste

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Alfa Laval Lubricating Paste

### 1.3 Supplier

ALFA LAVAL Tumba AB

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified: Synthetic oil-based paste

Hans Stahles väg

SE-147 80 Tumba

Sweden

Tel: +46 8 53 06 50 00

e-mail: sds.questions@alfalaval.com

### 1.4 Emergency telephone number:

Dial 112 in case of emergency poisoning and ask for Poison Information (24h)

Dial +46 8-331231 if you have other questions concerning acute poisonings mon-fri 9.00-17.00.

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Not classified according to present legislation.

### 2.2 Label elements

- **Hazard pictograms**: Not relevant
- **Signal word**: Not relevant
- **Hazard statements/Risk phrases**: Not relevant
- **Precautionary statements /safety phrases**: 24/25 Avoid contact with skin and eyes.

### 2.3 Other hazards

The product contains zinc oxide which is classified as harmful to the environment.
Alfa Laval Lubricating Paste

3. Composition/information on ingredients

Declaration of the consituents according to CLP 1272/2008/EC

<table>
<thead>
<tr>
<th>Substances</th>
<th>Registration No.</th>
<th>Weight (%)</th>
<th>CAS No.</th>
<th>EC No</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium hydroxide</td>
<td>No information</td>
<td>&gt;25</td>
<td>1305-62-0</td>
<td>215-137-3</td>
<td>GHS05; Dgr</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye irrit. 2; H315 Eye dam. 1; H318</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>No information</td>
<td>&lt;0,25</td>
<td>1314-13-2</td>
<td>215-222-5</td>
<td>GHS09; Wng Aquatic Acute 1 Aquatic Chronic 1 H400 H410</td>
</tr>
</tbody>
</table>

Declaration of ingredients constituents to 1999/45/EC

<table>
<thead>
<tr>
<th>Substances</th>
<th>Registration No.</th>
<th>Weight (%)</th>
<th>CAS No.</th>
<th>EC No</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium hydroxide</td>
<td>No information</td>
<td>&gt;25</td>
<td>1305-62-0</td>
<td>215-137-3</td>
<td>R38-41</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>No information</td>
<td>&lt;0,25</td>
<td>1314-13-2</td>
<td>215-222-5</td>
<td>R50/53</td>
</tr>
</tbody>
</table>

See section 16 for explanation to R-phrases and/or Hazard statements

4. First aid measures

4.1 Description of first aid measures

First aid – eye contact
In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

First aid- skin contact
In case of contact with skin wash off with soap and water. Don't use organic solvents. If irritation persist seek medical treatment.

First aid- ingestion
Do not induce vomiting. Call for a doctor immediately.

First aid- inhalation
Call doctor in case of indisposition. Ensure of fresh air (may be relevant for vapors of superheated product).

4.2 Most important symptoms and effects, both acute and delayed
May cause damage to the intestinal canal and stomache.

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptoms.
## 5. Firefighting measures

### 5.1a Suitable extinguishing media
- Alcohol-resistant foam. Dry fire-extinguishing substance.
- Carbon dioxide. Sand.

### 5.1b Unsuitable extinguishing media:
- Water.

### 5.2 Special hazards arising from the substance or mixture
- Fire gas of organic material has to be classed invariably as respiratory poison. Carbon monoxide (CO). Carbon dioxide (CO2) cracking products of organic compounds

### 5.3 Advice for fire-fighters
- Use breathing apparatus with independent air supply. Apply foam in large quantities because some of it is destroyed by the product. Fire residues and contaminated firefighting water must be disposed in accordance with the local regulations.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures
- Use personal protective clothing. High risk of slipping due to leakage/spillage of product.

### 6.2 Environmental precautions
- Do not discharge into the drains or bodies of water. Collect contaminated water / firefighting water separately. Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

### 6.3 Methods and material for containment and cleaning up
- Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). After taking up the material dispose according to regulation. Take up mechanically and send for disposal.

### 6.4 Reference to other sections
- Information for disposal see chapter 13. No dangerous substances are released. For personal protection see section 8.

## 7. Handling and storage

### 7.1 Precautions for safe handling
- Avoid prolonged contact with skin. Use recommended protective equipment in accordance with section 8.

### 7.2 Conditions for safe storage, including any incompatibilities
- The product is flammable and should not be stored with oxidizing or spontaneous combustion materials. Keep the product tightly closed in a well-ventilated cool place. Protected against excessive heat and direct sunlight. Keep the container closed. The temperature is not allowed to exceed 40° C. Avoid sunlight and ignition. Do not store together with food.

### 7.3 Specific end use
- *No information*
Alfa Laval Lubricating Paste

8. Exposure controls/personal protection

Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No</th>
<th>15 min ppm</th>
<th>15 min mg/m³</th>
<th>8 h ppm</th>
<th>8 h mg/m³</th>
<th>Notifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calciumdihydroxide</td>
<td>1305-62-0</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Appropriate engineering controls
Cloths contaminated with product should not be kept in trouser pockets. Follow general rules of industrial hygiene for safe handling of chemical products. At work do not eat, drink and smoke. Remove soaked clothing immediately. Keep away from food and drink. Wash hands before breaks and after work. Use barrier skin cream.

Eye/face protection
Tightly fitting goggles, in case of splashing.

Hand protection
PVC gloves

Respiratory protection
Normally not needed

Other protection
Light protective clothing

Environmental exposure controls
See section 6

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information.

The latest version of Alfa Laval’s SDS is available on our website.
9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pasty, beige</td>
</tr>
<tr>
<td>Odour</td>
<td>Hardly noticeable</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No information</td>
</tr>
<tr>
<td>pH (X ºC)</td>
<td>No information</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No information</td>
</tr>
<tr>
<td>Flash point</td>
<td>No information</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No information</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No information</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No information</td>
</tr>
<tr>
<td>Relative density</td>
<td>ca 1,1 g/cm³ 20 ºC DIN 51757.</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in organic solvent. Insoluble in water</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No information</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Starts at +300 ºC.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidising</td>
</tr>
</tbody>
</table>

9.2 Other information

Drop point: > 130 ºC DIN/ISO 2176
10. Stability and reactivity

10.1 Reactivity
The product is flammable and reacts with oxidizing agents. All grease components show a very low level of reactivity at room temperature.

10.2 Chemical stability
Stable under normal conditions. Thermal decomposition starts at +300 °C.

10.3 Possibility of hazardous reactions
None known

10.4 Conditions to avoid
No information

10.5 Incompatible materials
Reacts with oxidizing agents.

10.6 Hazardous decomposition products
Thermal decomposition: Carbon monoxide, carbon dioxide. Thermal degradation starts at app. +300°C.

11. Toxicological information

11.1 Substance
No information about the specific components, only for the mixture.

Acute toxicity
No information

11.2 Mixtures
The given toxicity dates are determined by analogy conclusion. The product has not been tested. The information is derived from products of similar composition

Acute toxicity
No information

Irritation
Skin: Non-irritant rabbit (OECD 404)
Eye: Non-irritant rabbit eye (OECD 405)

Corrosiveness
Ingestion: May cause damage to the intestinal canal and stomach

Sensitisation
No sensitizing effect known

Repeated dose toxicity
No information

Carcinogenicity
The product is not expected to be carcinogenic

Mutagenicity
The product is not expected to be mutagenic.

Toxicity for reproduction.
The product is not expected to be toxic to reproduction
Alfa Laval Lubricating Paste

12. Ecological information

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Acute toxicity study</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

12.1 Toxicity

No information

12.2 Persistence and degradability

No information

12.3 Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely. Preparation is water insoluble and does not form emulsion

12.4 Mobility in soil

The product is insoluble in water and is therefore not expected to be mobile in soil.

12.5 PBT/VPvB assessment

No information

12.6 Other adverse effects

The product contains zinc oxide which is classified as harmful to the environment. The product may not reach the sewage system before it is processed in accordance with local regulations. Product viscous texture can lead to disturbances in pipelines and treatment plants. The product sinks in water because of high density and can in certain circumstances pass oil separators.

13. Disposal considerations

13.1 Waste treatment methods

Hazardous waste. Dispose of in accordance with local authority requirements.

13.3 EWC code:

The valid waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. 12 01 12 spent waxes and fats

14. Transport information

<table>
<thead>
<tr>
<th>ADR/RID-S</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>No hazardous goods as defined by prescriptions.</td>
<td>No hazardous goods as defined by prescriptions.</td>
</tr>
<tr>
<td>14.2 UN proper shipping name (eng)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
### 14.3 Transport hazard class(es)
- - -

### 14.4 Packing group
- - -

### 14.5 Environmental hazards
- - -

### 14.6 Special precautions for user
- - -

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- - -

### 15. Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Classification according to VbF/ remarks: VbF: is not subject to decree for combustible liquids
Water hazard class: 1 VwVwS 1999 preliminary.
AFS 2005:17
EU directive 1999/13
EU directive 67/548/EEC
EU directive 1999/45/EC
EU directive 1272/2008/EC
EU directive 91/322/EEC
EU directive 648/2004/EG

#### 15.2 Chemical safety assessment
*Kemikaliesäkerhetsbedömning.*
16. Other information

Hazard statements/Risk phrases
- R38 irritating to skin
- R41 Risk of serious damage to eyes.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

- H315 Causes skin irritation
- H318 Causes serious eye damage
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects.

Important changes have been made in section
1-16 Updated according to (EG) nr 453/2010

Key literature references and sources for data
Hänvisningar till litteratur och datakällor

LIMITATION OF LIABILITY

This document is only intended to be used as guidance as regards the risks of which we are aware that are associated with the product. Every individual who works with the product or in close proximity of it must receive suitable training. Individuals who come into contact with the product must be capable of using their own judgement as regards conditions or methods for handling, storing and using the product. Alfa Laval is not liable for demands, losses or damage of any kind that arise from flaws or deficiencies in this document or from using, handling, storing or disposing of the product unless it can be proven that Alfa Laval has acted in a grossly negligent manner. **Beyond what has been agreed upon and specified in writing with Alfa Laval in the individual case, Alfa Laval makes no promises or assumes any liability, including but not limited to implicit guarantees regarding marketability or appropriateness in terms of both the information provided in this document and the product to which the information refers.**