



## Safety Data Sheet according to WHS Regulations

Printing date 29.09.2021

Version number 3

Revision: 29.09.2021

### 1 Identification

- **Product identifier**
- **Trade name: Alfa Laval Lubricating Paste**
- **Article number:** 55433601
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Grease
- **Details of the supplier of the safety data sheet**
- **Supplier:**  
Alfa Laval Tumba AB  
Hans Stahles väg 7  
S-147 80 Tumba  
Sweden  
+46 8 530 650 00  
info.se@alfalaval.com  
  
Australian supplier:  
Alfa Laval Australia Pty Ltd  
Locked Bag 40, Blacktown Business Centre  
NSW - NSW-2148 Blacktown  
Australia  
Visit: 14 Healey Circuit, - NSW - NSW-2148 Huntingwood  
Tel switchboard: +61 2 8822 2700 - Fax switchboard: +61 2 8822 2799  
www.alfalaval.com.au  
australia.info@alfalaval.com
- **Further information obtainable from:**  
For further questions regarding the safety data sheet, please contact your local Alfa Laval Sales Company which you find at www.alfalaval.com or in section 16 "Other Information" in the end of the safety data sheet
- **Emergency telephone number:**  
Call 000 or 112 and ask for poison information.  
Australian Poisons Information Centre Tel:13 11 26

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonised System (GHS).

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- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** The product is not, nor contains, a substance that is, PBT.
- **vPvB:** The product is not, nor contains a substance that is, vPvB.

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### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:**  
Mixture: consisting of the following components.

CAS: 7446-26-6	dizinc pyrophosphate	2.5-<5%
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- **Dangerous components:**

CAS: 1305-62-0	calcium dihydroxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	20-<50%
CAS: 1314-13-2	zinc oxide	1-<2.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor if symptoms persists.
- **After skin contact:**  
Wash with water and soap.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water and consult a doctor.
- **After swallowing:**  
Rinse the mouth with water.  
If symptoms persist consult 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**  
Treat symptomatically.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Carbon dioxide  
Alcohol resistant foam  
Fire-extinguishing powder  
Water spray
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.  
Ensure adequate ventilation  
Do not get in eyes, on skin, or on clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable receptacles.
- **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.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
Ensure adequate ventilation  
See Section 8 for information on personal protection equipment.  
When using do not eat, drink or smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in dry conditions.
- **Specific end use(s)**  
Grease  
Professional use only.

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** Use only in well-ventilated areas.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 1305-62-0 calcium dihydroxide**

WES Long-term value: 5 mg/m<sup>3</sup>

**CAS: 1314-13-2 zinc oxide**

WES Short-term value: 10\*\* mg/m<sup>3</sup>  
Long-term value: 10\* 5\*\* mg/m<sup>3</sup>  
\*dust \*\*fume

· **DNELs**

**CAS: 1305-62-0 calcium dihydroxide**

Inhalative	DNEL - Acute, Local effects	4 mg/m <sup>3</sup> (Worker)
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	DNEL - Long term, Systemic effects	1 mg/m <sup>3</sup> (Worker)
<b>CAS: 1314-13-2 zinc oxide</b>		
Oral	DNEL - Long term, Systemic effects	0.83 mg/m <sup>3</sup> /day (Consumer)
Dermal	DNEL - Long term, Systemic effects	83 mg/kg/day (Consumer)
		83 mg/kg/day (Worker)
Inhalative	DNEL - Long term, Systemic effects	2.5 mg/kg/day (Consumer)
		5 mg/kg/day (Worker)

· **PNECs**

**CAS: 1305-62-0 calcium dihydroxide**

PNEC 0.49 mg/L (Freshwater) (Extrapolation)

**CAS: 1314-13-2 zinc oxide**

PNEC 0.0206 mg/L (Freshwater)  
 117.8 mg/L (Freshwater sediment)  
 0.0061 mg/L (Saltwater)  
 56.5 mg/L (Saltwater sediment)  
 0.052 mg/L (Water treatment plant)  
 35.6 mg/L (Soil)

· **Additional information:** The lists valid during the making were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not carry product impregnated cleaning cloths in trouser pockets.

Wash hands before breaks and at the end of work.

Take off contaminated clothing and wash before reuse.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling

· **Body protection:** Wear protective clothing.

· **Limitation and supervision of exposure into the environment**

Do not allow to enter sewers/ surface or ground water.

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### 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Paste
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Colour:	White
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- Odour: Characteristic

- Odour threshold: Not determined.

- pH-value: Not applicable.

- **Change in condition**

Melting point/freezing point:	Undetermined.
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Initial boiling point and boiling range:	317 °C
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Drip point:	>130 °C
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- Flash point: Not applicable.

- Flammability (solid, gas): Not applicable.

- Decomposition temperature: Not determined.

- Auto-ignition temperature: Product is not selfigniting.

- Explosive properties: Product does not present an explosion hazard.

- Explosion limits: 0.0 g/l

- Lower: Not determined.

- Upper: Not determined.

- Oxidising properties: Not applicable.

- Vapour pressure: Not determined.

- Density at 20 °C: 1.1 g/cm<sup>3</sup> (DIN 51757)

- Relative density: Not determined.

- Vapour density: Not determined.

- Evaporation rate: Not determined.

- **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.
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- Partition coefficient: n-octanol/water: Not determined.

- **Viscosity:**

Dynamic:	Not applicable.
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Kinematic:	Not applicable.
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- **Solvent content:**

VOC (EC)	0.00 %
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- Other information: No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** Material is stable under normal conditions.

- **Chemical stability**

Stable under normal temperature conditions and under recommended usage and storage.

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- **Thermal decomposition / conditions to be avoided:**  
To avoid thermal decomposition do not overheat.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**  
High temperature  
Store away from oxidising agents.
- **Incompatible materials:** Reacts with strong oxidising agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

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

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

**CAS: 1305-62-0 calcium dihydroxide**

Oral	LD50	>2,000 mg/kg (Rat) (OECD Test 425)
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Dermal	LD50	>2,500 mg/kg (Rabbit) (OECD Test 402)
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**CAS: 7446-26-6 dizinc pyrophosphate**

Oral	LD50	>2,500 mg/kg (Rat)
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**CAS: 1314-13-2 zinc oxide**

Oral	LD50	>5,000 mg/kg (Rat)
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Inhalative	LC50 (4 h)	5.7 mg/L (Rat)
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- **Primary irritant effect:**

- **Skin corrosion/irritation**

Irritation of skin	Skin Corrosion/Irritation	0 (Rabbit) (OECD 404)
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**CAS: 1314-13-2 zinc oxide**

Irritation of skin	Skin Corrosion/Irritation	0 (Rabbit) (OECD test 404)
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- **Serious eye damage/irritation**

Irritating effect.

Irritation of eyes	Serious Eye Damage/Irritation	0 (Rabbit) (OECD 405)
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**CAS: 1314-13-2 zinc oxide**

Irritation of eyes	Serious Eye Damage/Irritation	0 (Rabbit) (OECD test 405)
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- **Respiratory or skin sensitisation** No sensitising effects known.

- **Additional toxicological information:**

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

### 12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**CAS: 1305-62-0 calcium dihydroxide**

LC50 (96 h)	50.6 mg/L (Fish)
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EC50 (48 h)	49.1 mg/L (Daphnia) (OECD Test 202)
EC50 (72 h)	184.57 mg/L (Algae) (OECD Test 201)
NOEC - No observed effect concentration	32 mg/l (Daphnia)
<b>CAS: 7446-26-6 dizinc pyrophosphate</b>	
EC50 (48 h)	26 mg/L (Daphnia)
<b>CAS: 1314-13-2 zinc oxide</b>	
LC50 (96 h)	6-10 mg/L (Fish)
EC50 (48 h)	2-10 mg/L (Daphnia)
EC50 (72 h)	0.17 mg/L (Algae)

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil**  
The product is not expected to be mobile in soil.  
Low solubility, product floats on water. Absorbs to soil particles.
- **Results of PBT and vPvB assessment**
- **PBT:** The product is not, nor contains, a substance that is, PBT.
- **vPvB:** The product is not, nor contains a substance that is, vPvB.
- **Other adverse effects**  
Spills may form a film on the water surface. This film may cause physical damage to aquatic organisms and reduce oxygen transfer.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Hand over to hazardous waste disposers.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:**  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

### 14 Transport information

- **UN-Number**
- **ADG, IMDG, IATA** UN3077
- **UN proper shipping name**
- **IMDG, IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dizinc pyrophosphate)

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· **Transport hazard class(es)**

· **ADG, IATA**



· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

· **IMDG**



· **Class**

9 Miscellaneous dangerous substances and articles.

· **Label**

9

· **Packing group**

· **ADG, IMDG, IATA**

III

· **Environmental hazards:**

Product contains environmentally hazardous substances: dizinc pyrophosphate

· **Marine pollutant:**

Yes

· **Special marking (ADG):**

Symbol (fish and tree)

· **Special marking (IATA):**

Symbol (fish and tree)

· **Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

· **Hazard identification number (Kemler code):**

90

· **EMS Number:**

F-A,S-F

· **Stowage Category**

A

· **Stowage Code**

SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.

· **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **ADG**

· **Limited quantities (LQ)**

5 kg

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml

· **Transport category**

3

· **Tunnel restriction code**

-

· **IMDG**

· **Limited quantities (LQ)**

5 kg

· **Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

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·	Maximum net quantity per outer packaging: 1000 ml
· <b>UN "Model Regulation":</b>	Void

### 15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

All ingredients are listed.

· **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

#### 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.

Please contact your local Alfa Laval Sales Company for further questions.

[www.alfalaval.com](http://www.alfalaval.com)

· **Relevant phrases**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

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· **Department issuing SDS:** Alfa Laval Sustainability Environment

· **Contact:**

Argentina: [alfa.consulta@alfalaval.com](mailto:alfa.consulta@alfalaval.com)  
Australia: [australia.info@alfalaval.com](mailto:australia.info@alfalaval.com)  
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Portugal: [portugal.info@alfalaval.com](mailto:portugal.info@alfalaval.com)  
Qatar: [alme.marketing@alfalaval.com](mailto:alme.marketing@alfalaval.com)  
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United States: customerservice.usa@alfalaval.com

Venezuela: venezuela.info@alfalaval.com

Vietnam: vietnam.info@alfalaval.com

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

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

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

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