

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 31.05.2022

Version number 9 (replaces version 8)


Revision: 31.05.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Slide Laquer
- **Article number:** 1899900-01
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Lubricant
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**
Alfa Laval Technologies AB
SE-221 00 Lund
Sweden
+46 46 36 65 00
info.se@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
- **1.4 Emergency telephone number:**
For immediate, life-threatening emergencies, call 999. For health advice and information (24h) dial 111 (NHS direct).

In Europe: Call 112 and ask for poison information.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Eye Dam. 1 H318 Causes serious eye damage.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**

GHS05
- **Signal word** Danger
- **Hazard-determining components of labelling:**
calcium dihydroxide
- **Hazard statements**
H318 Causes serious eye damage.
- **Precautionary statements**
P280 Wear protective gloves / eye protection / face 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.
P310 Immediately call a POISON CENTER/doctor.

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- **2.3 Other hazards** Prolonged and/or repeated skin contact may cause irritation.
- **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.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 8042-47-5 EINECS: 232-455-8 Reg.nr.: 01-2119487078-27	White mineral oil, petroleum substance with a Community workplace exposure limit	30-60%
CAS: 1317-33-5 EINECS: 215-263-9	molybdenum disulphide substance with a Community workplace exposure limit	15-30%
CAS: 1305-62-0 EINECS: 215-137-3 Reg.nr.: 01-2119475151-45	calcium dihydroxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	15-25%
CAS: 7782-42-5 EINECS: 231-955-3	Graphite substance with a Community workplace exposure limit	5-15%

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

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor if symptoms persist.
- **After skin contact:**
Take off immediately all contaminated clothing.
Immediately wash with water and soap and rinse thoroughly.
If symptoms persist consult a doctor.
- **After eye contact:**
Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Call a doctor immediately.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Risk of serious damage to eyes.
Prolonged and/or repeated skin contact may cause irritation.
- **4.3 Indication of any immediate medical attention and special treatment needed**
Treat symptomatically.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
Foam

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Fire-extinguishing powder

Water haze

Carbon dioxide

- **For safety reasons unsuitable extinguishing agents:** Not applicable.

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

In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Metal oxides

Sulphur oxides (SO_x)

- **5.3 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.

Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Particular danger of slipping on leaked/spilled product.

Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions:**

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

Send for recovery or disposal in suitable receptacles.

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

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

- **6.4 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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Ensure adequate ventilation

Avoid contact with skin and eyes.

Eye wash bottle or emergency eye wash fountain must be found in the work place.

When using do not eat, drink or smoke.

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

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in cool, dry conditions in well sealed receptacles.

- **Information about storage in one common storage facility:** Store away from oxidising agents.

- **7.3 Specific end use(s)**

Grease

Professional use only.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 8042-47-5 White mineral oil, petroleum

WEL	Short-term value: 10 mg/m ³ Oil mist
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CAS: 1317-33-5 molybdenum disulphide

WEL	Short-term value: 20 mg/m ³ Long-term value: 10 mg/m ³ as Mo
-----	--

CAS: 1305-62-0 calcium dihydroxide

WEL	Short-term value: 4* mg/m ³ Long-term value: 5 1* mg/m ³ *resprable fraction
-----	--

CAS: 7782-42-5 Graphite

WEL	Short-term value: 4 mg/m ³ Long-term value: 10 mg/m ³ respirable aerosol
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DNELs

CAS: 8042-47-5 White mineral oil, petroleum

Dermal	DNEL - Long term, Systemic effects	220 mg/kg bw/day
Inhalative	DNEL - Long term, Systemic effects	120 mg/m ³

CAS: 1305-62-0 calcium dihydroxide

Inhalative	DNEL - Acute, Local effects	4 mg/m ³ (Worker)
	DNEL - Long term, Systemic effects	1 mg/m ³ (Worker)

CAS: 7782-42-5 Graphite

Oral	DNEL - Long term, Systemic effects	813 mg/kg bw/day (Consumer)
Inhalative	DNEL - Long term, Local effects	0.3 mg/m ³ (Consumer) 1.2 mg/m ³ (Worker)

PNECs

CAS: 1305-62-0 calcium dihydroxide

PNEC	0.49 mg/L (Freshwater) (Extrapolation) Assessment factor: 100
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Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Use only in well-ventilated areas.

Eye wash bottle or emergency eye wash fountain must be found in the work place.

Individual protection measures, such as 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 eyes and skin.

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· **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

Filter A

· **Hand protection**



Protective gloves

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**

Butyl rubber, BR

Chloroprene rubber, CR

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.

· **Eye/face protection**



Tightly sealed goggles

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

· **Environmental exposure controls** Do not allow to enter sewers/ surface or ground water.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· Colour:	Black
· Odour:	Weak, characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not applicable.
· Upper:	Not applicable.
· Flash point:	>200 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.

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· Solubility	
· water:	Not determined.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.4 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Paste
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	0.0 %
· Change in condition	
· Drip point:	
· Oxidising properties	Not applicable.
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
Stable under normal temperature conditions and under recommended usage and storage.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** High temperature
- **10.5 Incompatible materials:** Store away from oxidising agents.

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· 10.6 Hazardous decomposition products: Formaldehyde

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

Oral	LD50	>5,000 mg/kg (Rat) Estimated
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CAS: 8042-47-5 White mineral oil, petroleum

Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	>5 mg/L (Rat) Test atmosphere: dust/mist

CAS: 1317-33-5 molybdenum disulphide

Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50 (4 h)	>2.82 mg/L (Rat)

CAS: 1305-62-0 calcium dihydroxide

Oral	LD50	>2,000 mg/kg (Rat) (OECD Test 425)
Dermal	LD50	>2,500 mg/kg (Rabbit) (OECD Test 402)

CAS: 7782-42-5 Graphite

Oral	LD50	>2,000 mg/kg (Rat) (OECD Test 401)
Inhalative	LC50 (4 h)	>2 mg/L (Rat) (OECD Test 403)

· Skin corrosion/irritation

Prolonged and / or repeated skin contact may cause irritation.

Based on available data, the classification criteria are not met.

· Serious eye damage/irritation

Causes serious eye damage.

· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.· **Carcinogenicity** Based on available data, the classification criteria are not met.· **Reproductive toxicity** Based on available data, the classification criteria are not met.· **STOT-single exposure** Based on available data, the classification criteria are not met.· **STOT-repeated exposure** Based on available data, the classification criteria are not met.· **Aspiration hazard** Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards

· Endocrine disrupting properties

Endocrine disrupting properties from <https://edlists.org>

None of the ingredients is listed.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

CAS: 8042-47-5 White mineral oil, petroleum

LC50	>100 mg/L (Salmon trout) (OECD Test 203) Exp Time: 96 h
EC50	>100 mg/L (Daphnia) (OECD TG 202) Exp Time: 48 hours
NOEC - No observed effect concentration	100 mg/l (Algae) (OECD TG 201) Exp Time: 72 hours 1 mg/l (Daphnia) Exp time: 21 days 1 mg/l (Fish) Exp Time: 28 days

CAS: 1317-33-5 molybdenum disulphide

LC50 (96 h)	>100 mg/L (Fish)
EC50	>100 mg/L (Daphnia) (48 h) Daphnia magna
EC50 (72 h)	>100 mg/L (Algae)
NOEC - No observed effect concentration	>10 mg/l (Daphnia) (21 d) Daphnia magna >10 mg/l (Fish) (34 d)

CAS: 1305-62-0 calcium dihydroxide

LC50 (96 h)	50.6 mg/L (Fish)
EC50 (48 h)	49.1 mg/L (Daphnia) (OECD Test 202)
EC50 (72 h)	184.57 mg/L (Algae) (OECD Test 201) Pseudokirchneriella subcapitata
NOEC - No observed effect concentration	32 mg/l (Daphnia) Exp Time: 14 days

CAS: 7782-42-5 Graphite

LC50 (96 h)	>100 mg/L (Fish) (OECD Test 203)
EC50	>100 mg/L (Daphnia) (OECD Test 202) (48 h)
EC50 (72 h)	>100 mg/L (Algae) (OECD Test 201)

12.2 Persistence and degradability

CAS: 8042-47-5 White mineral oil, petroleum

Biodegradability	0-24 % Exp Time: 28 Days Result: not rapidly degradable
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· 12.3 Bioaccumulative potential

CAS: 8042-47-5 White mineral oil, petroleum

Bioconcentration factor | 1,900 (Fish)

· **12.4 Mobility in soil** The product is not expected to be mobile in soil.

· 12.5 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.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 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.

· **yes European waste catalogue**

The European Waste Catalogue (EWC) waste codes do not refer to product but to origin. The manufacturer is therefore unable to quote a waste code for products which are used in various industries. Any codes shown should be regarded as a recommendation to the user.

12 00 00	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01 00	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 12*	spent waxes and fats

· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

· 14.1 UN number or ID number

· **ADR, IMDG, IATA**

The product is not classified as dangerous goods.

Not regulated

· 14.2 UN proper shipping name

· **ADR, IMDG, IATA**

Not relevant.

Not regulated

· 14.3 Transport hazard class(es)

· **ADR, ADN, IMDG, IATA**

· **Class**

The product is not classified as dangerous goods.

Not regulated

· 14.4 Packing group

· **ADR, IMDG, IATA**

Not applicable.

Not regulated

· 14.5 Environmental hazards:

Not applicable.

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|---|-----------------|
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Not regulated |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 EU regulation (EC) no 1272/2008 (GB CLP)
 EC DIRECTIVE 2008/98/EC (waste)
 EU Regulation (EC) no.1907/2006 (GB REACH)
 · **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
 None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
 - **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
 None of the ingredients is listed.
 - **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
 None of the ingredients is listed.
 - **Regulation (EC) No 273/2004 on drug precursors**
 None of the ingredients is listed.
 - **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
 None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

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· **Relevant phrases**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

· **Classification according to Regulation (EC) No 1272/2008** Expert judgement

· **Department issuing SDS:** Alfa Laval Corporate Standards & Regulatory Operations

· **Contact:**

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· **Date of previous version:** 22.09.2020

· **Version number of previous version:** 8

· **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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

DNEL: Derived No-Effect Level (GB REACH)

PNEC: Predicted No-Effect Concentration (GB 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.**

GB