



Safety Data Sheet

acc. to OSHA HCS

Printing date 04/27/2016


Version 7

Reviewed on 04/27/2016

1 Identification

- **Product identifier**
- **Trade name:** Slide Laquer
- **Article number:** 1899900-01
- **Application of the substance / the mixture** Lubricant
- **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
- **Information department:**
For additional questions regarding safety data sheets please contact your local Alfa Laval Sales Company which you find on www.alfalaval.com or in safety data sheet under section 16: Other Information
- **Emergency telephone number:** US and Canada: 911

2 Hazard(s) identification

- **Classification of the substance or mixture**
Eye Dam. 1 H318 Causes serious eye damage.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**

GHS05
- **Signal word** Danger
- **Hazard-determining components of labeling:**
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.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

US

(Contd. on page 2)



Safety Data Sheet

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Version 7

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Trade name: Slide Laquer

(Contd. of page 1)

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 7782-42-5	Graphite	25-50%
CAS: 8042-47-5	White mineral oil (petroleum)	30 - < 50%
CAS: 1305-62-0	calcium dihydroxide Skin Corr. 1B, H314; Eye Dam. 1, H318	20 - < 30%
CAS: 1317-33-5	molybdenum disulphide	2.5-<10%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water and consult a doctor.
- **After swallowing:**
Wash the mouth with water.
Do NOT induce vomiting.
If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
Corrosive effects. Can cause permanent eye damage.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Foam
Fire-extinguishing powder
Water haze
Carbon dioxide
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Not applicable.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide
Hydrocarbons

(Contd. on page 3)

US



Safety Data Sheet

acc. to OSHA HCS

Printing date 04/27/2016

Version 7

Reviewed on 04/27/2016

Trade name: Slide Laquer

(Contd. of page 2)

Formaldehyde

Metal oxides

Sulfur oxides (SO_x)**· Advice for firefighters****· Protective equipment:**

In case of fire: Evacuate area.

Wear self-contained respiratory protective device.

Wear fully protective suit.

· Additional information Cool endangered receptacles with water spray.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

See Section 8 for information on personal protection equipment.

Do not breathe vapour.

· Environmental precautions:

Keep contaminated washing water and dispose of appropriately.

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

Send for recovery or disposal in suitable receptacles.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

· 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 good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

When using do not eat, drink or smoke.

See Section 8 for information on personal protection equipment.

· 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 in cool, dry conditions in well sealed receptacles.

· Information about storage in one common storage facility: Store away from oxidizing agents.**· Further information about storage conditions:** None.**· Specific end use(s)**

Grease

Professional use only.

US

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/27/2016

Version 7

Reviewed on 04/27/2016

Trade name: Slide Laquer

(Contd. of page 3)

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**

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

CAS: 7782-42-5 Graphite

PEL	Long-term value: 15 mppcf* mg/m ³ *impinger samples counted by light field techn.
REL	Long-term value: 2.5* mg/m ³ *respirable dust
TLV	Long-term value: 2* mg/m ³ all forms except graphite fibers;*resp. fraction

CAS: 8042-47-5 White mineral oil (petroleum)

EXPOSURE CONTROL	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ Exposure limits according to Swedish regulation
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CAS: 1305-62-0 calcium dihydroxide

PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 5 mg/m ³
TLV	Long-term value: 5 mg/m ³

CAS: 1317-33-5 molybdenum disulphide

PEL	Long-term value: 15* mg/m ³ *Total dust
TLV	Long-term value: 10* 3** mg/m ³ as Mo; *inhalable fraction ** respirable fraction

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

· **Exposure controls**

· **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 skin.

Avoid contact with the eyes and skin.

Use only in well-ventilated areas.

In case of insufficient ventilation, wear suitable respiratory equipment.

· **Breathing equipment:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

(Contd. on page 5)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/27/2016

Version 7

Reviewed on 04/27/2016

Trade name: Slide Laquer

(Contd. of page 4)

Protection of hands:



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

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:



Tightly sealed goggles

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:

Highly viscous

Color:

Black

Odor:

Weak, characteristic

Odor threshold:

Not determined.

pH-value:

Not determined.

Change in condition

Melting point/Melting range:

Undetermined.

Boiling point/Boiling range:

Undetermined.

Flash point:

> 200 °C (> 392 °F)

Flammability (solid, gaseous):

Not applicable.

Ignition temperature:

Decomposition temperature:

Not determined.

Auto igniting:

Product is not selfigniting.

Danger of explosion:

Product does not present an explosion hazard.

Explosion limits:

Lower:

Not determined.

(Contd. on page 6)



Safety Data Sheet

acc. to OSHA HCS

Printing date 04/27/2016

Version 7

Reviewed on 04/27/2016

Trade name: Slide Laquer

(Contd. of page 5)

Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	1.4 g/cm ³ (11.683 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** Reacts with strong oxidizing agents.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Reacts with strong oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Store away from oxidizing agents.
- **Hazardous decomposition products:** No further information, refer to section 5.

11 Toxicological information

· Information on toxicological effects

· **Acute toxicity:**

CAS: 1305-62-0 calcium dihydroxide

Oral LD50 7340 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** Based on available data, the classification criteria are not met.· **on the eye:**

Strong irritant with the danger of severe eye injury.

Irritating effect.

· **Sensitization:** Based on available data, the classification criteria are not met.

· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

(Contd. on page 7)

US



Safety Data Sheet

acc. to OSHA HCS

Printing date 04/27/2016

Version 7

Reviewed on 04/27/2016

Trade name: Slide Laquer

(Contd. of page 6)

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity**· Aquatic toxicity:****CAS: 8042-47-5 White mineral oil (petroleum)**

LC50	>100 mg/L (Salmon trout) (OECD Test 203)
EC50	>100 mg/L (daphnia) (OECD TG 202)
NOEC - No observed effect concentration	100 mg/l (Algae) (OECD TG 201)
	1.000 mg/l (daphnia)
	1.000 mg/l (Fish)

CAS: 1305-62-0 calcium dihydroxide

LC50	457 mg/L (Fish)
EC50	184.57 mg/L (Algae) (OECD TG 201)
	49.1 mg/L (daphnia) (OECD TG 202)
NOEC - No observed effect concentration	32 mg/l (daphnia)

· Persistence and degradability**CAS: 8042-47-5 White mineral oil (petroleum)**

Biodegradability 31 % (No information available)

· Behavior in environmental systems:**· Bioaccumulative potential**

The product is not expected to bioconcentrate significantly in organisms.

· Mobility in soil The product is not expected to be mobile in soil.**· Additional ecological information:****· General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it 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.

13 Disposal considerations

· Waste treatment methods**· Recommendation:**

Hand over to hazardous waste disposers.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)



Safety Data Sheet

acc. to OSHA HCS

Printing date 04/27/2016

Version 7

Reviewed on 04/27/2016

Trade name: Slide Laquer

(Contd. of page 7)

- **Uncleaned packagings:**
- **Recommendation:**
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

- | | |
|--|--|
| · UN-Number | The product is not classified as dangerous goods. |
| · UN proper shipping name | Not relevant. |
| · Transport hazard class(es) | The products is not classified as dangerous goods. |
| · Packing group | Not applicable. |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU regulation (EC) no 1272/2008 (CLP)
EC DIRECTIVE 2008/98/EC (waste)
EU Regulation (EC) no.1907/2006 (REACH)
- **Sara**
- **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.
- **Section 313 (Specific toxic chemical listings):**
None of the ingredients is listed.
- **TSCA (Toxic Substances Control Act):**
All ingredients are listed.
- **Proposition 65**
- **Chemicals known to cause cancer:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

(Contd. on page 9)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/27/2016

Version 7

Reviewed on 04/27/2016

Trade name: Slide Laquer

(Contd. of page 8)

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS05

- **Signal word** Danger

- **Hazard-determining components of labeling:**

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.

- **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

- **Department issuing SDS:** MACC -Materials & Chemistry Centre

- **Contact:**

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(Contd. on page 10)



Safety Data Sheet

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Version 7

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(Contd. of page 9)

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(Contd. on page 11)



Safety Data Sheet acc. to OSHA HCS

Printing date 04/27/2016

Version 7

Reviewed on 04/27/2016

Trade name: Slide Laquer

(Contd. of page 10)

· **Date of preparation / last revision** 04/27/2016 / 6

· **Abbreviations and acronyms:**

ACGIH: American Conference of Governmental Industrial Hygienists

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

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

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