



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

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

- **1.1 Product identifier**
- **Trade name:** Paste P1900FM
- **Article number:** 53708607
- **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** Grease
- **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**
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **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** Void
- **Signal word** Void
- **Hazard statements**
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 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.

GB

(Contd. on page 2)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 1)

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	50-100%
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	1-<2.5%
CAS: 54326-11-3 EINECS: 259-105-7 Reg.nr.: 01-2120127786-48	Aluminum hydroxide benzoate stearate	1-<5%

· **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

· General information:

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

· **After inhalation:** Supply fresh air; consult doctor if symptoms persist.

· After skin contact:

Wash with water and soap.

If symptoms persist consult a doctor.

· After eye contact:

Rinse with water.

If symptoms persist consult a doctor.

Rinse opened eye for several minutes under running water and consult a doctor.

· After swallowing:

Rinse the mouth with water.

Do NOT induce vomiting.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

· Suitable extinguishing agents:

Alcohol resistant foam

Fire-extinguishing powder

Water haze

Carbon dioxide

Use fire extinguishing methods suitable to surrounding conditions.

(Contd. on page 3)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 2)

- **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
Phosphorus oxides (e.g. P₂O₅)
Sulphur oxides (SO_x)
Metal oxides
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
See Section 8 for information on personal protection equipment.
Do not breathe vapour.
- **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
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:**
Send for recovery or disposal in suitable receptacles.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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**
Eye wash bottle or emergency eye wash fountain must be found in the work place.
Handle with care. Avoid jolting, friction and impact.
When using do not eat, drink or smoke.
See Section 8 for information on personal protection equipment.
- **Information about fire - and explosion protection:** No special measures required.
- **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.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)**
Grease
Professional use only.

GB

(Contd. on page 4)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 3)

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
-----	--

· 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: 1314-13-2 zinc oxide

Oral	DNEL - Long term, Systemic effects	0.83 mg/m ³ /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: 1314-13-2 zinc oxide

PNEC	0.0206 mg/L (Freshwater) Estimated value, freshwater 117.8 mg/L (Freshwater sediment) Estimated value 0.0061 mg/L (Saltwater) Estimated value 56.5 mg/L (Saltwater sediment) Estimated value 0.052 mg/L (Water treatment plant) Estimated value 35.6 mg/L (Soil) Estimated value
------	---

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

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Use only in well-ventilated areas.

In case of insufficient ventilation, wear suitable respiratory equipment.

· **Respiratory protection:** Not required.

· **Hand protection**

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

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 4)

· **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/face protection** Goggles recommended during refilling

· **Body protection:**



Protective work 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:	White
· 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	Not applicable.
· Flash point:	>200 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.15 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· **9.2 Other information**

· **Appearance:**

· **Form:**

Highly viscous

· **Auto-ignition temperature:**

Product is not selfigniting.

· **Explosive properties:**

Product does not present an explosion hazard.

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 5)

- 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** Reacts with strong oxidising agents.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with strong oxidising agents.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Iron
- **10.6 Hazardous decomposition products:** No further information, refer to section 5.

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)
Dermal	LD50	>2,000 mg/kg

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

Dermal	LD50	>2,000 mg/kg (Rabbit)
--------	------	-----------------------

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 6)

Inhalative	LC50 (4 h)	>5 mg/L (Rat) Test atmosphere: dust/mist
CAS: 1314-13-2 zinc oxide		
Oral	LD50	>5,000 mg/kg (Rat)
Inhalative	LC50 (4 h)	5.7 mg/L (Rat) dust/haze

· **Skin corrosion/irritation**

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

CAS: 1314-13-2 zinc oxide

Irritation of skin	Skin Corrosion/Irritation	0 (Rabbit) (OECD test 404)
--------------------	---------------------------	----------------------------

· **Serious eye damage/irritation**

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

CAS: 1314-13-2 zinc oxide

Irritation of eyes	Serious Eye Damage/Irritation	0 (Rabbit) (OECD test 405)
--------------------	-------------------------------	----------------------------

· **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.

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: 1314-13-2 zinc oxide

LC50 (96 h)	6-10 mg/L (Fish)
EC50 (48 h)	2-10 mg/L (Daphnia)
EC50 (72 h)	0.17 mg/L (Algae)

(Contd. on page 8)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 7)

12.2 Persistence and degradability

Not easily biodegradable

The product is virtually insoluble in water.

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

Biodegradability	0-24 % Exp Time: 28 Days Result: not rapidly degradable
------------------	---

12.3 Bioaccumulative potential

The product is not expected to bioconcentrate significantly in organisms.

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

Bioconcentration factor	1,900 (Fish)
-------------------------	--------------

12.4 Mobility in soil No further relevant information available.**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**Remark:**

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

Harmful to fish

Additional ecological information:**General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

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

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

(Contd. on page 9)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 8)

- **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 | Not regulated |
| · 14.2 UN proper shipping name | |
| · ADR, IMDG, IATA | Not regulated |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Not regulated |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Not regulated |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 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.

(Contd. on page 10)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 9)

· **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.

www.alfalaval.com

· **Relevant phrases**

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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

· **Contact:**

Argentina: alfa.consulta@alfalaval.com

Australia: australia.info@alfalaval.com

Austria: info.mideurope@alfalaval.com

Belgium: benelux.info@alfalaval.com

Bolivia: alfa.consulta@alfalaval.com

Brazil: alfalaval.br@alfalaval.com

Bulgaria: bulgaria.info@alfalaval.com

Canada: alfacan.info@alfalaval.com

Chile: chile.informacion@alfalaval.com

China: china.info@alfalaval.com

Colombia: info.colombia@alfalaval.com

Croatia: hrvatska.info@alfalaval.com

Czech Republic: czechrepublic.info@alfalaval.com

Denmark: info.nordic.dk@alfalaval.com

Egypt: alme.marketing@alfalaval.com

Estonia: estonia.info@alfalaval.com

Finland: info.fi@alfalaval.com

France: environnement@alfalaval.com

Germany: info.mideurope@alfalaval.com

Greece: greece.info@alfalaval.com

Hungary: info.hu@alfalaval.com

India: india.info@alfalaval.com

Indonesia: alfalindo@alfalaval.com

Israel: israel.info@alfalaval.com

(Contd. on page 11)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.05.2022

Version number 9 (replaces version 8)

Revision: 24.05.2022

Trade name: Paste P1900FM

(Contd. of page 10)

Italy: alfalaval.italia@alfalaval.com
Japan: hp.alfajp@alfalaval.com
Latvia: latvia.info@alfalaval.com
Lithuania: lithuania.info@alfalaval.com
Malaysia: malaysia.info@alfalaval.com
Mexico: mexico.info@alfalaval.com
The Netherlands: benelux.info@alfalaval.com
New Zealand: newzealand.info@alfalaval.com
Norway: info.no@alfalaval.com
Peru: ventas.peru@alfalaval.com
Philippines: philippines.info@alfalaval.com
Poland: poland.info@alfalaval.com
Portugal: portugal.info@alfalaval.com
Qatar: alme.marketing@alfalaval.com
Romania: romania.info@alfalaval.com
Russia: moscow.response@alfalaval.com
Singapore: al.singapore@alfalaval.com
Slovak Republic: slovakia.info@alfalaval.com
Slovenia: slovenija.info@alfalaval.com
South Africa: info.sa@alfalaval.com
Spain: info.spain@alfalaval.com
Sweden: info.se@alfalaval.com
Switzerland: info.mideurope@alfalaval.com
Taiwan: taiwan.info@alfalaval.com
Thailand: thailand.info@alfalaval.com
Turkey: turkey@alfalaval.com
Ukraine: ukraine.info@alfalaval.com
United Arab Emirates: alme.marketing@alfalaval.com
United Kingdom: general.uk@alfalaval.com
United States: customerservice.usa@alfalaval.com
Venezuela: venezuela.info@alfalaval.com
Vietnam: vietnam.info@alfalaval.com

• **Date of previous version:** 23.11.2020

• **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

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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