

SAFETY DATA SHEET



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

1.1 Product identifier

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

Area of use: Lubricant

1.3 Details of the supplier of the safety data sheet

Supplier:

ALFA LAVAL Tumba AB

Manufacture:

Hans Stahles väg
SE-147 80 Tumba
Sweden
Tel: +46 8 53 06 50 00
Fax: + 46 8 53 06 52 59

e-mail: sds.question@alfalaval.com

1.4 Emergency telephone number: Dial in case of emergency poisoning and ask for Poison Information both day and night. Dial + 46 (0) 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

This product is not classified as hazardous according to current regulations.

2.2 Label elements

This product is not labelled.

2.3 Other hazards

No information.

3. Composition/information on ingredients

3.2 Mixtures

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

No hazardous ingredients.

4. First aid measures

4.1 Description of first aid measures

General recommendations

Consult a physician. Show this safety data sheet to a physician.

First aid – eye contact

Check for and remove any contact lenses. Flush eyes for at least 5 minutes. Get medical attention if irritation occurs.

First aid- skin contact

Wash with soap and water. Get medical attention if irritation develops.

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First aid- ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Have conscious person drink several glasses of water or milk.
First aid- inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
4.2 Most important symptoms and effects, both acute and delayed	No information.
4.3 Indication of any immediate medical attention and special treatment needed	No specific treatment. Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media	Small fires: use dry chemical powder.
a) Suitable extinguishing media	Large fires: use water spray, fog or foam.
b) Unsuitable extinguishing media	Do not use water jet.
5.2 Special hazards arising from the substance or mixture	Products of combustion: Carbon oxides (CO, CO ₂). Thermal decomposition products are dependent on temperature conditions. Container explosion may occur under fire conditions or when heated. Cool closed container exposed to fire with water. May be combustible at high temperatures.
5.3 Advice for firefighters	Fire fighters should wear positive pressure self-contained breathing apparatus for fires in enclosed areas.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	No information.
6.2 Environmental precautions	No information.
6.3 Methods and material for containment and cleaning up	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
a) Small spills	
b) Large spills	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not allow any potentially contaminated water including rainwater, runoff from fire fighting or spills to enter any waterway, sewer or drain.
6.4 Reference to other sections	Personal protection, see section 8. Disposal, see section 13.

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7. Handling and storage

7.1 Precautions for safe handling	Avoid breathing vapours or spray mists. After handling, always wash hands thoroughly with soap and water. Avoid contact with eyes, skin and clothing. Use with adequate ventilation.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in a dry, cool and well ventilated area.
7.3 Specific end use	No information.

8. Exposure controls/personal protection

8.1 Control parameters	No occupational exposure limits.
8.2 Exposure controls	
Appropriate engineering controls	Good general ventilation. Ensure that eyewash stations and safety showers are proximal to the workstation on location.
Eye/face protection	Safety glasses.
Hand protection	Chemical resistant gloves.
Respiratory protection	Normally not needed.
Other protection	Lab coat.
Environmental exposure controls	See section 6.
Personal protection in case of a large spill	Full suit. Boots, chemical resistant gloves and splash goggles. A self-contained breathing apparatus.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Odour	Mild
Odour threshold	No information
pH (X °C)	No information
Melting point/freezing point	No information
Initial boiling point and boiling range	No information
Flash point	Open cup: 212.78 °C (415 °F) (Cleveland).
Evaporation rate	No information
Flammability (solid, gas)	No information
Upper/lower flammability or explosive limits	No information
Vapour pressure	No information
Vapour density	>1 (Air = 1)
Relative density	No information
Solubility(ies)	Slightly soluble in water.
Partition coefficient: n-octanol/water	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information
Explosive properties	No information
Oxidising properties	No information
9.2 Other information	Density: 0.86 (Water = 1).

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10. Stability and reactivity

10.1 Reactivity	No information
10.2 Chemical stability	The product is stable.
10.3 Possibility of hazardous reactions	No information
10.4 Conditions to avoid	No information
10.5 Incompatible materials	Oxidizing agents.
10.6 Hazardous decomposition products	Will not occur.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity	No information
Irritation	Non-irritant for skin. Non-irritating for the eyes.
Corrosivity	No information
Sensitisation	Non-sensitize for skin.
Repeated dose toxicity	No information
Carcinogenicity	No information
Mutagenicity	No information
Toxicity for reproduction.	No information

12. Ecological information

12.1 Toxicity	No hazardous ingredient. No information available for the product.
12.2 Persistence and degradability	No information
12.3 Bioaccumulative potential	No information
12.4 Mobility in soil	No information
12.5 Results of PBT and vPvB assessment	No information
12.6 Other adverse effects	No information

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13. Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with local regulations. Waste product should not be allowed to contaminate soil or water, or released into the environment.

EWC code:

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14. Transport information

	ADR/RID-S	IMDG	IATA
14.1 UN number	Not classified as dangerous goods.	Not classified as dangerous goods.	Not classified as dangerous goods.
14.2 UN proper shipping name	Not relevant.	Not relevant.	Not relevant.
14.3 Transport hazard class(es)	Not relevant.	Not relevant.	Not relevant.
14.4 Packing group	Not relevant.	Not relevant.	Not relevant.
14.5 Environmental hazards	Not relevant.	Not relevant.	Not relevant.
14.6 Special precautions for user	Not relevant.	Not relevant.	Not relevant.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not relevant.	Not relevant.	Not relevant.

15. Regulatory information

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

No information.

15.2 Chemical safety assessment

No.

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16. Other information

Important changes have been made in section General update according to EU 453/2010.

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.**