

SAFETY DATA SHEET



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Genuin oil for high speed separators

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

1.1 Product identifier

Genuin Oil for high speed separators

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

Circulation oil

1.3 Supplier

ALFA LAVAL Tumba AB

Hans Stahles väg

SE-147 80 Tumba

SE-147 80 Tumba

Tel: +46 8 53 06 50 00

e-mail:

sds.questions@alfalaval.com

1.4 Emergency telephone number: Dial **112** in case of emergency poisoning and ask for Poison Information (24h)

Dial **08-331231** 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 Not classified

2.2 Label elements

Hazard pictograms - - -

Signal word Not classified

Hazard statements/Risk phrases Not classified

Precautionary statements /safety phrases Not classified

2.3 Other hazards No information

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3. Composition/information on ingredients

Declaration of the constituents according to CLP 1272/2008/EC and 1999/45/EC

| Substances | Registration No. | Weight - (%) | CAS No. | EC No | Classification |
|--|------------------|--------------|---------|-------|----------------------------|
| Highly refined mineral oil (DMSO-extract < 3%, IP 346) | No information | > 95 % | - | - | No classification required |

See section 16 for explanation to R-phrases and/or Hazard statements

4. First aid measures

4.1 Description of first aid measures

First aid – eye contact

Rinse immediately with water. Keep the eyes open

First aid- skin contact

Wash the skin with soap and water. Remove contaminated clothing as soon as possible. Seek medical advice if symptoms persist. Product in use under high pressure that has been forced under the skin, is a serious situation that requires IMMEDIATE hospital treatment.

First aid- ingestion

DO NOT induce vomiting. Get medical advice.

First aid- inhalation

Fresh air, rest and keep warm. Rinse nose, mouth and throat with water. Seek medical advice if symptoms persist

4.2 Most important symptoms and effects, both acute and delayed

Exposure to high concentrations of oil mist may cause irritation to the respiratory organ. Aspiration following ingestion and vomiting may cause severe and potentially fatal chemical pneumonitis.

4.3 Indication of any immediate medical attention and special treatment needed

No information

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5. Firefighting measures

| | |
|--|--|
| 5.1a Suitable extinguishing media | Foam, powder, carbon dioxide. |
| 5.1b Unsuitable extinguishing media: | Water. |
| 5.2 Special hazards arising from the substance or mixture | Heated product can form flammable vapours. Combustion can produce irritating fumes. Carbon monoxide (CO) may be formed in the event of incomplete combustion. |
| 5.3 Advice for fire-fighters | Use respiratory protection. Fire in closed areas should only be extinguished by trained personal. Containers near a fire must be moved and/or cooled with water. |

6. Accidental release measures

| | |
|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | Mark the spillage. Use personal protection as stated in section 8. |
| 6.2 Environmental precautions – large | Contain the spillage using sand, soil or other suitable material. Avoid seepage into the drains. Collect the spillage using cloths or an oil absorbent materiel. Immediately inform the government agency (fire brigade) if the spillage escapes into the drains or waterways. At large spillage, inform the government agency (fire brigade). Water: Contain the spillage and recover as much as possible. |
| 6.2 Environmental precautions – small | Smaller volumes can be recovered using suitable absorbents. |
| 6.3 Methods and material for containment and cleaning up | Avoid seepage into the drains. Immediately inform the government agency (fire brigade) if the spillage escapes into the drains or waterways. At large spillage, inform the government agency (fire brigade). |
| 6.4 Reference to other sections | Collected material to be handled as advised under section 13 |

7. Handling and storage

| | |
|---|--|
| 7.1 Precautions for safe handling | Store correctly to avoid spillage and oil vapours. |
| 7.2 Conditions for safe storage, including any incompatibilities | Best under cover. Store container on their side so that the filling bungs are under the fluid level. |
| 7.3 Specific end use | Circulation oil |

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8. Exposure controls/personal protection

Control parameters

national occupational exposure limit values that correspond to Community occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(1) of Commission Decision 95/320/EC

| Substance | CAS No | 15 min | | 8 h | | Notifications |
|--|--------|--------|-------------------|-----|-------------------|--|
| | | ppm | mg/m ³ | ppm | mg/m ³ | |
| Highly refined mineral oil (DMSO-extract < 3%, IP 346) | | | 3,0 | | 1,0 | Based on the swedish OEL:s for oil mist including oil smoke. |

8.2 Exposure controls

| | |
|---|--|
| Appropriate engineering controls | Ensure a high level of personal hygiene. Ensure good ventilation. Do not wear cloths that are contaminated with product. Do not put oil-wet cloth / twist in your pocket. If there is a risk of direct contact or splashes, wear face visor or goggles, impervious gloves and protective clothing. |
| Eye/face protection | Use suitable face visor or goggles. |
| Hand protection | Impervious protective gloves of viton or nitrile rubber. |
| Respiratory protection | Normally not necessary |
| Other protection | Oil impervious protective clothing. |
| Environmental exposure controls | See section 6 |

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9. Physical and chemical properties

9.1

| | |
|---|--|
| Appearance | Brownish yellow liquid. |
| Odour | Oil. Faint. |
| Odour threshold | <i>Not tested</i> |
| pH (X °C) | No information |
| Melting point/freezing point | No information |
| Initial boiling point and boiling range | No information |
| Flash point | > 200 °C ASTM D 92. |
| Evaporation rate | No information |
| Flammability (solid, gas) | No information |
| Upper/lower flammability or explosive limits | No information |
| Vapour pressure | No information |
| Vapour density | No information |
| Relative density | ~888 kg/m ³ (15 °C). ASTM D 4052 |
| Solubility(ies) | Organic solvent (most). Negligible in water. |
| Partition coefficient: n-octanol/water | No information |
| Auto-ignition temperature | No information |
| Decomposition temperature | No information |
| Viscosity | ~150mm ² /s (40 °C). ASTM D 445 |
| Explosive properties | No information |
| Oxidising properties | No information |
| 9.2 Other information | No information |

Genuin oil for high speed separators

10. Stability and reactivity

| | |
|--|---|
| 10.1 Reactivity | Stable |
| 10.2 Chemical stability | Chemically stable. |
| 10.3 Possibility of hazardous reactions | None known |
| 10.4 Conditions to avoid | No information |
| 10.5 Incompatible materials | Strong oxidizing agents. |
| 10.6 Hazardous decomposition products | When heated or during combustion carbon monoxide (CO) and other health hazardous compounds may be formed. |

11. Toxicological information

11.1 Substance

11.2 Mixtures

| | |
|--|---|
| Acute toxicity | Low order of acute toxicity, but aspiration following ingestion and vomiting may cause severe and potentially fatal chemical pneumonitis. Does not absorb in acute toxic amounts through the skin. Used oil may contain harmful contaminants. |
| Skin corrosion/irritation | Continuous or repeated skin contact combined with poor personal hygiene may cause dermatitis like eczema and oil acne. Product that under high pressure has been forced under the skin, may cause serious cell damage/death under the skin. |
| Serious eye damage/irritation | Exposure to the eye is slightly irritating, but does not injure eye tissue. |
| Respiratory or skin sensitisation | Not expected to be sensitizing |
| Germ cell mutagenicity | Not expected to be mutagenic |
| Carcinogenicity | Not expected to be carcinogenic |
| Reproductive toxicity | Not expected to be toxic to reproduction |
| STOT-single exposure | No information |
| STOT-repeated exposure | No information |
| Aspiration hazard | Exposure to high concentrations of oil mist may cause irritation to the respiratory organ. Aspiration following ingestion and vomiting may cause severe and potentially fatal chemical pneumonitis. |

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12. Ecological information

| | | | | | | |
|---|-------------------|--------------|--|----------------------|----------------|---------------|
| 12.1 Toxicity | | | | | | |
| Hazardous components | Value type | Value | Acute toxicity study | Exposure time | Species | Method |
| - | - | - | - | - | - | |
| 12.2 Persistence and degradability | | | Potentially degradable, but will persist in the environment for long periods. | | | |
| 12.3 Bioaccumulative potential | | | Contain components with the potential to bioaccumulation. (logPow > 3). | | | |
| 12.4 Mobility in soil | | | Low solubility in water, floats on water. | | | |
| 12.5 PBT/VPvB assessment | | | No information | | | |
| 12.6 Other adverse effects | | | An oil fill may cause physical damage to organisms and disturb the transportation of oxygen in the intermediate zone between air/water or water/air. | | | |

13. Disposal considerations

| | |
|-------------------------------------|--|
| 13.1 Waste treatment methods | This material, if discarded, should be considered an European hazardous waste in accordance with European Law. Ensure conformity with procedures approved by the Local Authority. Packing: Disposal through approved facilities is recommended. |
| 13.3 EWC code: | The valid waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users: EWC 13 02 05 |

14. Transport information

| | ADR/RID-S | IMDG | IATA |
|---|--|--|--|
| 14.1 UN number | Not covered by the transportation of dangerous substances act. | Not covered by the transportation of dangerous substances act. | Not covered by the transportation of dangerous substances act. |
| 14.2 UN proper shipping name (eng) | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - |

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|---|---|---|---|
| 14.4 Packing group | - | - | - |
| 14.5 Environmental hazards | - | - | - |
| 14.6 Special precautions for user | - | - | - |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | - | - | - |

15. Regulatory information

| | |
|---|--|
| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture | (EG) nr 1907/2006 (EG) nr 1272/2008 (67/548/EEG) (1999/45/EC) All components of this material are on the US TSCA Inventory or are exempt. |
| 15.2 Chemical safety assessment | No chemical safety assessment have been made for this product |

16. Other information

| | |
|--|---|
| Hazard statements/Risk phrases | - |
| Important changes have been made in section | New format according to (EC) no 453/2010. |
| Key literature references and sources for data | The safety data sheet from supplier. |

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