



## Safety Data Sheet according to WHS Regulations

Printing date 02.03.2022

Version number 12

Revision: 02.03.2022

### 1 Identification

- **Product identifier**
- **Trade name:** Lubricating Oil ISO VG 150
- **Article number:** 54609881, 54609883
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Lubricating oil
- **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  
  
Australian supplier:  
Alfa Laval Australia Pty Ltd  
Locked Bag 40, Blacktown Business Centre  
NSW - NSW-2148 Blacktown  
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Tel switchboard: +61 2 8822 2700 - Fax switchboard: +61 2 8822 2799  
www.alfalaval.com.au  
australia.info@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
- **Emergency telephone number:**  
Call 000 or 112 and ask for poison information.  
Australian Poisons Information Centre Tel:13 11 26

### 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**  
Prolonged and/or repeated skin contact may cause irritation.  
Slight eye irritation may occur upon contact with the eyes.
- **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.

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**Trade name: Lubricating Oil ISO VG 150**

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### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture: consisting of the following components.

- **Dangerous components:**

Highly refined mineral oil (DMSO <3%, IP 346)

### 4 First Aid Measures

- **Description of first aid measures**
- **General information:** Call a POISON CENTER/doctor if you feel unwell.
- **After inhalation:** Supply fresh air; consult doctor if symptoms persist.
- **After skin contact:**  
Wash with water and soap.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water and consult a doctor.
- **After swallowing:**  
Rinse the mouth with water.  
Do NOT induce vomiting.  
Contact a doctor/physician.
- **Most important symptoms and effects, both acute and delayed**  
Prolonged and/or repeated skin contact may cause irritation.  
Slight eye irritation may occur upon contact with the eyes.  
High pressure injection under skin: local necrosis.
- **Indication of any immediate medical attention and special treatment needed**  
Product in use under high pressure that has been forced under the skin, is a serious situation that requires IMMEDIATE hospital treatment.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Foam  
Carbon dioxide  
Fire-extinguishing powder  
Water spray  
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **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.

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Cool endangered receptacles with water spray.

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### 6 Accidental Release Measures

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

Ensure adequate ventilation

Do not breathe vapour.

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

- **Environmental precautions:**

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

Inform respective authorities in case of seepage into water course or sewage system.

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

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

Send for recovery or disposal in suitable receptacles.

- **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**

Avoid the formation of oil haze.

Ensure adequate ventilation

When using do not eat, drink or smoke.

Avoid contact with skin and eyes.

Avoid release to the environment.

See Section 8 for information on personal protection equipment.

- **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:**

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

- **Specific end use(s)**

Professional use only.

Lubricant

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** Use only in well-ventilated areas.

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**Control parameters****Ingredients with limit values that require monitoring at the workplace:****Highly refined mineral oil (DMSO <3%, IP 346)**

WES	Long-term value: 5 mg/m <sup>3</sup> Inhalable aerosol
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**Additional information:** The lists valid during the making were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Do not carry product impregnated cleaning cloths in trouser pockets.

Ensure that washing facilities are available at the work place.

Keep away from foodstuffs, beverages and feed.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:**

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.

Nitrile rubber, NBR

**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:** Wear eye/face protection.**Body protection:** Wear protective clothing.**Limitation and supervision of exposure into the environment**

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

Send for recovery or disposal in suitable receptacles.

## 9 Physical and Chemical Properties

**Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Fluid

**Colour:**

Yellow

**Odour:**

Mineral-oil-like

**Odour threshold:**

Not determined.

**pH-value:**

Not determined.

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· <b>Change in condition</b>	
Melting point/freezing point:	-9 °C
Initial boiling point and boiling range:	Undetermined.
· <b>Flash point:</b>	250 °C (ISO 2592)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not applicable.
Upper:	Not applicable.
· <b>Oxidising properties</b>	Not applicable.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	0.89 g/cm <sup>3</sup> (ISO 12185)
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Partition coefficient: n-octanol/water:</b>	log Pow >3
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic at 40 °C:	150 mm <sup>2</sup> /s
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity** Material is stable under normal conditions.
- **Chemical stability**  
Stable under normal temperature conditions and under recommended usage and storage.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** None known.
- **Incompatible materials:**  
Reacts with strong oxidising agents.  
Do not store together with alkalis (caustic solutions).
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects** ATE (calc) >5000 mg/kg

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- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** Prolonged and / or repeated skin contact may cause irritation.
- **Serious eye damage/irritation** Contact with eyes may result in mild irritation.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Other information (about experimental toxicology):**  
If the product is overheated, fumes and vapors may be irritating to the upper respiratory tract and lungs.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Acute effects (acute toxicity, irritation and corrosivity)**  
High pressure injection under skin: local necrosis.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
Product contains mineral oils of types shown to be noncarcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** Not harmful to aquatic organisms. Expected LC/EC 50 value: >100 mg/L.
- **Persistence and degradability** The product is not easily, but potentially biodegradable.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential**  
Due to the distribution coefficient n-octanol/water an accumulation in organisms is possible.
- **Mobility in soil**  
The product is not expected to be mobile in soil.  
Low solubility, product floats on water. Absorbs to soil particles.
- **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.
- **Other adverse effects**  
Spills may form a film on the water surface. This film may cause physical damage to aquatic organisms and reduce oxygen transfer.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Hand over to hazardous waste disposers.  
Delivery of waste oil to officially authorised collectors only.

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- **Uncleaned packaging:**
- **Recommendation:**  
Disposal must be made according to official regulations.  
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

### 14 Transport information

- |   |                 |
|---|-----------------|
| · <b>UN-Number</b>  |                 |
| · <b>ADG, ADN, IMDG, IATA</b>   | Not regulated   |
| · <b>UN proper shipping name</b>  |                 |
| · <b>ADG, ADN, IMDG, IATA</b>   | Not regulated   |
| · <b>Transport hazard class(es)</b>   |                 |
| · <b>ADG, ADN, IMDG, IATA</b>   |                 |
| · <b>Class</b>  | Not regulated   |
| · <b>Packing group</b>  |                 |
| · <b>ADG, IMDG, IATA</b>  | Not regulated   |
| · <b>Environmental hazards:</b>   |                 |
| · <b>Marine pollutant:</b>  | No              |
| · <b>Special precautions for user</b>                                       | Not applicable. |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>   | Not regulated   |

### 15 Regulatory information

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

TSCA (Toxic Substance Control Act) - All chemical components in this material are included in, or are exceptions from the TSCA listing.

DSL/NDSL - FULFILS

PICCS - FULFILS

ENCS - FULFILS

IECSC - FULFULS

AICS - FULFILS

KECL - FULFILS

- **Australian Inventory of Industrial Chemicals**

None of the ingredients is listed.

- **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

- **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

- **GHS label elements** Void
- **Hazard pictograms** Void

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- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

[www.alfalaval.com](http://www.alfalaval.com)

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.

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

- **Contact:**

Please contact your local Alfa Laval Sales Company for further questions.

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**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  
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

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

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