



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 14.07.2015

Version number 10

Revision: 14.07.2015

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

- **1.1 Product identifier**
 - **Trade name:** Lubricating oil for food VG 100
 - **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** Food machinery lubricant
 - **1.3 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
 - **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**
The substance is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**
Oil mist including oil smoke

(Contd. on page 2)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 14.07.2015

Version number 10

Revision: 14.07.2015

Trade name: Lubricating oil for food VG 100

(Contd. of page 1)

· Identification number(s)

Note: High Pressure Applications:

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency.

SECTION 4: First aid measures**· 4.1 Description of first aid measures****· General information:**

Immediately remove any clothing soiled by the product.

Wash contaminated clothing before reuse.

· After inhalation: Supply fresh air; consult doctor if symptoms persists.**· After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

Product in use under high pressure that has been forced under the skin, is a serious situation that requires IMMEDIATE hospital treatment.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Remove contact lenses, if present and easy to do. Continue rinsing.

· After swallowing:

Rinse the mouth with water.

If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed

High pressure injection under skin: local necrosis.

· 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:**

Foam

Fire-extinguishing powder

Carbon dioxide

Water haze

· For safety reasons unsuitable extinguishing agents: Water with full jet**· 5.2 Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

Carbon monoxide and carbon dioxide

· 5.3 Advice for firefighters**· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

GB

(Contd. on page 3)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 14.07.2015

Version number 10

Revision: 14.07.2015

Trade name: Lubricating oil for food VG 100

(Contd. of page 2)

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapour.

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

Avoid contact with spilled material.

• 6.2 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.

• 6.3 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.

Dispose of the material collected according to regulations.

• 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

Avoid the formation of oil haze.

When using do not eat, drink or smoke.

Ensure that washing facilities are available at the work place.

Avoid contact with skin and eyes.

Keep ignition sources away - Do not smoke.

See Section 8 for information on personal protection equipment.

• Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect from heat.

• 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:

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

• 7.3 Specific end use(s)

Food machinery lubricant

Professional use only.

GB

(Contd. on page 4)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 14.07.2015

Version number 10

Revision: 14.07.2015

Trade name: Lubricating oil for food VG 100

(Contd. of page 3)

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

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

Oil mist including oil smoke

EXPOSURE CONTROLS	Long-term value: 1 mg/m ³ Reference: GESTIS United Kingdom
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- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Use only in well-ventilated areas.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - Do not eat, drink, smoke or sniff while working.
 - Do not carry product impregnated cleaning cloths in trouser pockets.
 - In case of insufficient ventilation, wear suitable respiratory equipment.
 - Take off contaminated clothing.
- **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.
 - Chloroprene rubber, CR
 - 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:**
 - Protective work clothing
 - Oil resistant protective clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Fluid
Colour:	Colourless

(Contd. on page 5)

GB



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2015

Version number 10

Revision: 14.07.2015

Trade name: Lubricating oil for food VG 100

(Contd. of page 4)

· Odour:	Mild
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	> 258 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	>250 °C
· Decomposition temperature:	Not determined.
· Self-igniting:	Not determined.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	1 Vol %
Upper:	10 Vol %
· Vapour pressure at 20 °C:	<0.5 Pa
· Density at 20 °C:	0.841 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 40 °C:	100 s
Organic solvents:	0.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Material is stable under normal conditions.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Forms explosive gas mixture with air.
Reacts with oxidising agents.

(Contd. on page 6)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 14.07.2015

Version number 10

Revision: 14.07.2015

Trade name: Lubricating oil for food VG 100

(Contd. of page 5)

- **10.4 Conditions to avoid** High heat
- **10.5 Incompatible materials:** Store away from oxidising agents.
- **10.6 Hazardous decomposition products:** No further information, refer to section 5.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Prolonged and / or repeated skin contact combined with poor personal hygiene may cause inflammation of the skin in the form of dermatitis, eczema and oil acne.
- **Serious eye damage/irritation** Contact with eyes may result in mild irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Acute effects (acute toxicity, irritation and corrosivity)**
Product in use under high pressure that has been forced under the skin, is a serious situation that requires IMMEDIATE hospital treatment.
- **Repeated dose toxicity** Repeated exposure may cause skin dryness or cracking.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** The product is not easily, but potentially biodegradable.
- **12.3 Bioaccumulative potential**
The product is not expected to bioconcentrate significantly in organisms.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

GB

(Contd. on page 7)



Safety data sheet according to 1907/2006/EC, Article 31

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Trade name: Lubricating oil for food VG 100

(Contd. of page 6)

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Contact waste processors for recycling information.

- **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.

13 00 00	OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)
13 01 00	waste hydraulic oils
13 01 11*	synthetic hydraulic oils
15 00 00	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01 00	packaging (including separately collected municipal packaging waste)
15 01 10*	packaging containing residues of or contaminated by dangerous substances

- **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.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class 	Void
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	Void
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	No
<ul style="list-style-type: none"> · 14.6 Special precautions for user 	Not applicable.
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code 	Not applicable.

(Contd. on page 8)



Safety data sheet according to 1907/2006/EC, Article 31

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Revision: 14.07.2015

Trade name: Lubricating oil for food VG 100

(Contd. of page 7)

· **UN "Model Regulation":**

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SECTION 15: Regulatory information

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

EU Regulation (EC) no.1907/2006 (REACH)

EU regulation (EC) no 1272/2008 (CLP)

EC DIRECTIVE 2008/98/EC (waste)

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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 MSDS: MACC -Materials & Chemistry Centre

· Contact:

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

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(Contd. on page 9)



Safety data sheet according to 1907/2006/EC, Article 31

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Trade name: Lubricating oil for food VG 100

(Contd. of page 8)

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• Abbreviations and acronyms:

ADR: Accord européen sur le transport 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
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.