

SAFETY DATA SHEET

DeLaval Vacuum Pump oil LVP

FS3019

According to EC Directive (EC) No. 1907/2006 (No. 878/2020)

Preparation Date: 12-May-2016

Revision Date: 05-Dec-2022

Revision Number: 1.0

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name DeLaval Vacuum Pump oil LVP

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

Recommended use Lubricant

Uses advised against Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Contact Manufacturer	Supplier
c/o DeLaval International AB	DeLaval Limited
PO BOX 39	Unit 6, Shamrock Business Park
147 21 Tumba	Graigecullen, Carlow
Sweden	Ireland
Tel + 46 08-530 66 000	TEL: (59) 914 6859
Email MSDS.EU@delaval.com	

1.4. Emergency Telephone Number

Emergency Telephone Number Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: "+353 (0)1 809 2166 "

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to REGULATION (EC) No 1272/2008

For the full text of the H phrases mentioned in this Section, see Section 16

Not Hazardous.

2.2. Label Elements

Labeling according to REGULATION (EC) No 1272/2008

Not Hazardous

Precautionary statements P102 - Keep out of reach of children

2.3. Other hazards

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB) ($\geq 0.1\%$)

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT) ($\geq 0.1\%$)

This product does not contain any known or suspected endocrine disruptors ($\geq 0.1\%$)

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Chemical nature of the preparation.

Chemical name	EC No	Weight-%	EU - GHS Substance Classification	Specific concentration limit (SCL)	M-Factor (acute)	M-Factor (chronic)	Reach Registration Number
Aryl thiophosphate 597-82-0	209-909-9	0.5 - 1	Aquatic chronic Cat. 3 (H412)	-	-	-	

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50
Aryl thiophosphate 597-82-0	10000 mg/kg (Rat)	2000 mg/kg (Rat)	-

Additional information

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

4. FIRST AID MEASURES

4.1. Description of first-aid measures.

General Advice	Treat symptomatically.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
Skin contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Ingestion	Rinse mouth. Get medical attention.
Inhalation	Move to fresh air.

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

Acute Effects	According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.
Delayed Effects	None known.
Effects of overexposure	None known.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media	Carbon dioxide (CO ₂), Dry chemical, Foam, Water spray, Water fog
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Extinguishing media which must not be used for safety reasons	None.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	None in particular.
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5.3. Advice for firefighters

Protective Equipment and Precautions for Firefighters	Use personal protective equipment.
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6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment.
Other Information	See Section 12 for more information
Advice for emergency responders.	Use personal protection equipment. Provide ventilation and confine spill.

6.2. Environmental Precautions

Should not be released into the environment. Avoid dispersal of spilt material into waterways, drains, and sewers. Prevent further leakage or spillage if safe to do so.

6.3. Methods and materials for containment and cleaning up

Dam up. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See Section 12 for more information
For personal protection see section 8
Section 13. Disposal considerations

7. HANDLING AND STORAGE**7.1. Precautions for Safe Handling**

Handling	Ensure adequate ventilation. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice.
General Hygiene Considerations	Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep container tightly closed.
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7.3. Specific End Use(s)

Exposure Scenario	Not applicable
Other Guidelines	Not applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Derived No Effect Level (DNEL)	No information available
Predicted No Effect Concentration (PNEC)	No information available

8.2. Exposure controls

Engineering Controls	None under normal use. Ensure adequate ventilation.
Personal protective equipment	
Eye Protection	If splashes are likely to occur, wear: Safety glasses with side-shields.
Skin Protection	Long sleeved clothing.
Hand Protection	Protective gloves
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Environmental exposure controls	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Blue
Odor	Slight
Odor Threshold	No information available

Property

Melting Point/Range	Values No data available
Boiling Point/Range	No data available

Upper flammability limit:	No data available
Upper Explosion Limit	No data available
Lower flammability limit:	No data available
Lower Explosion Limit	No data available
Flash Point	232 °C / 450 °F Cleveland Open Cup
Autoignition Temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Water Solubility	Insoluble in water
Solubility in other solvents	No data available
Partition coefficient:	No data available
n-octanol/water	
Vapor Pressure	No data available
Relative Density	0.866 (15.6 °C / 60.1 °F)
Relative vapor density	No data available
Particle characteristics	Not applicable

9.2. Other Information

Viscosity 220 mm²/s (40°C/104°F)

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical Stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal use.

10.4. Conditions to Avoid

Keep away from children. Heat. Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible Materials

Incompatible Materials Reacts violently with peroxides, nitrates, strong oxidizing agents, chlorates

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours. Carbon monoxide. Carbon dioxide (CO₂). smokes.

11. TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute Toxicity	
Inhalation	No information available.
Eye contact	No information available.
Skin contact	Prolonged skin contact may cause skin irritation and/or dermatitis. Repeated exposure may cause skin dryness or cracking.
Ingestion	No information available.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Aryl thiophosphate	10000 mg/kg (Rat)	2000 mg/kg (Rat)	-

Rat (rat) Rabbit (rabbit)

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	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**11.2.1. Endocrine disrupting properties**

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors ($\geq 0.1\%$).

11.2.2. Other information**12. ECOLOGICAL INFORMATION****12.1. Toxicity****Ecotoxicity effects**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors ($\geq 0.1\%$).

12.7. Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods****Waste from Residues / Unused Products**

Dispose of in accordance with local regulations. Do not dispose of waste into sewer.

Contaminated Packaging

Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION**IMDG/IMO**

14.1. UN number or ID number	Not regulated
14.2. Proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing Group	Not regulated
14.5. Environmental hazard	None
14.6. Special Provisions	None
14.7. Maritime transport in bulk according to IMO	

instruments	No information available
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ADR/RID

14.1. UN number or ID number	Not regulated
14.2. Proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing Group	Not regulated
14.5. Environmental hazard	None
14.6. Special Provisions	None

IATA/ICAO

14.1. UN number or ID number	Not regulated
14.2. Proper Shipping Name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.5. Environmental hazard	None
14.6. Special Provisions	None

15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Legislations**

Reg.1907/2006-REACH

Reg. 878/2020 That modify REACH

Reg.1272/2008 On classification, packaging and labeling of dangerous substances and preparations

Dir. 2000/39/CE

International Inventories

EINECS/ELINCS

All components are listed or exempted

Legend

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances**15.2. Chemical Safety Assessment**

No data available

16. OTHER INFORMATION**Full text of H-Statements referred to under sections 2 and 3**

H412 - Harmful to aquatic life with long lasting effects

Key literature references and sources for datawww.ChemADVISOR.com/**Preparation Date:** 12-May-2016**Revision Date:** 05-Dec-2022**Revision Number:** 1.0**Revision Note:****Reason for revision** (EU) 2020/878**Disclaimer**

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End of Safety Data Sheet