SAFETY DATA SHEET DeLaval Vacuum pump oil

Preparation Date: 25-Aug-2015
Revision Number: *2*
Revision Date: *25-Aug-2020*

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

Product Name DeLaval Vacuum pump oil
Item#: FS0001 - NZ
Recommended use Lubricant

Supplier
DeLaval Ltd
307 Sandwich Road
Hamilton 3241
New Zealand

Telephone Number +64 7 849 6020 (8am - 4:30pm Mon-Fri)

Emergency Telephone Number +64 3 474 7000 (National Poisons Centre)
0800 243 622 CHEMCALL

2. HAZARD IDENTIFICATION

NON HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS

Potential Health Effects

Principle Routes of Exposure
Eye contact
Skin contact
Ingestion
Inhalation

Major effects of exposure

Read Safety Data Sheet before use

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Petroleum distillates, solvent dewaxed heavy paraffinic (IP 346 DMSO extract < 3%)	64742-65-0	60 - 100

Other ingredients, determined not to be hazardous subject to the provisions of the Hazardous Substances (identification) Regulations 2001, make up the product concentration to 100%

4. FIRST AID MEASURES

Eye contact
In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
If eye irritation persists, get medical advice/attention

Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes Get medical attention if symptoms occur
Inhalation	Move to fresh air Get medical attention if symptoms occur
Ingestion	Rinse mouth. Move person to fresh air. If symptoms persist, call a physician. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES

Hazchem Code	No Hazchem Code allocated
Flammable Properties	No information available.
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO2). alcohol-resistant foam. Water spray.
Unsuitable Extinguishing Media	No information available.
Specific hazards arising from the chemical	Carbon dioxide (CO2). Carbon monoxide. Sulphur oxides. Heating of containers may cause pressure rise, with risk of bursting.
Protective Equipment and Precautions for Firefighters	Evacuate personnel to safe areas. Any action only if without personal risk.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Any action only if without personal risk. Evacuate personnel to safe areas. Use personal protective equipment.
Environmental Precautions	Avoid dispersal of spilt material into waterways, drains, and sewers. Local authorities should be advised if significant spillages cannot be contained.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Do not eat, drink or smoke when using this product.
Storage	Store in accordance with local regulations. Protect from sunlight and store in well-ventilated place. Keep tightly closed in a dry and cool place. Keep in properly labelled containers. Prevent release to the environment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Ensure adequate ventilation, especially in confined areas. Use only with adequate ventilation to keep exposures below recommended exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection	Safety glasses with side-shields.
Skin Protection	Wear protective gloves/clothing
Hand Protection	Impervious gloves
Respiratory Protection	Ensure adequate ventilation. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations
When using, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Blue
Physical state	Liquid
Odor	Characteristic
pH	neutral 7
Specific Gravity	No data available
Water Solubility	Insoluble in water
Vapor Pressure	0.01
Vapor Density	No data available
Flash Point	> 200 °C (ASTM D92, COC)
Autoignition Temperature	> 300 °C (oil base)
Boiling Point/Range	> 300 °C (oil base)
Freezing Point/Range	No data available
Melting Point/Range	< -21 °C

Upper flammability limit: Not known **Lower flammability limit:** Not known

Evaporation Rate	No data available
Density	0.88 (15°C)
Solubility	Insoluble in water

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	strong oxidizing agents
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapours. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Petroleum distillates, solvent dewaxed heavy paraffinic (IP 346 DMSO extract < 3%)	> 5000 mg/kg	> 5000 mg/kg	5.53 mg/l

Potential Health Effects

Chronic Toxicity Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Carcinogenicity
There are no known carcinogenic chemicals in this product.

Irritation Prolonged skin contact may cause skin irritation Repeated exposure may cause skin dryness or cracking

Sensitization No information available.

Neurological Effects No information available.

Mutagenic effects No information available.

Reproductive Effects No information available.

Developmental Effects No information available.

Target Organ Effects No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects No known significant effects or critical hazards
Avoid subsoil penetration
Do not contaminate surface water

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Petroleum distillates, solvent dewaxed heavy paraffinic (IP 346 DMSO extract < 3%)		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50

Persistence and degradability Not readily biodegradable

Bioaccumulation/Accumulation No information available.

Mobility No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

Hazchem Code No Hazchem Code allocated

15. REGULATORY INFORMATION

16. OTHER INFORMATION

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References	NZS 5433:2007 Transport of Dangerous Goods on Land Land Transport (Dangerous Goods) Rule 45001:2005 Hazardous Substances Regulations 2001: - Minimum Degrees of Hazard - Classification - Classes 1 to 5 Controls - Classes 6, 8 and 9 Controls - Packaging Regulations - Identification Regulations - Dispoal Regulations - Emergency Management - Identification Regulations - Disposal Regulations Health and Safety in Employment Regulations 1995 User Guide to the HSNO Thresholds and Classifications OSH Workplace Exposure Standards January 2002 NZCIC Approved Code of Practice - Preparation of Safety Data Sheets Signage for premises storing hazardous substances and dangerous goods

Disclaimer

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End of SDS