

# Vacuum pump oil

# SAFETY DATA SHEET

Preparation Date: 03-Mar-2016

Revision Date: 23-Sep-2020

Revision Number: 1

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

### Product Identifier

**Product Name** Vacuum pump oil

### Other means of identification

**Item#:** 88606804

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Lubricant

**Uses advised against** All other

### Details of the supplier of the safety data sheet

#### Supplier

**Canada** DeLaval Inc.  
10900 Rue Secant Street  
Ville d'Anjou, Quebec H1J 1S5  
Tel: (705) 741-3100

**United States** DeLaval Manufacturing  
11100 N. Congress Ave.  
Kansas City, MO 64153  
Tel: 816-891-7700, 8am – 5pm M-F

### Emergency Telephone Number

**Canada** Canutec 1-613-996-6666

**United States** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **CCOHS Regulatory Status**

This product is not considered hazardous according to the HPR 2015.

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label Elements

#### **Emergency Overview**

**Appearance** Clear Blue

**Physical state** Liquid

**Odor** Characteristic

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract (IP346))	64742-54-7	90 - 100

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first-aid measures

<b>Eye contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if symptoms occur.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Ingestion</b>	Rinse mouth. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.

##### Most important symptoms and effects, both acute and delayed

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.

##### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Dry chemical, Carbon dioxide (CO<sub>2</sub>). alcohol-resistant foam. Water spray (fog),

##### Unsuitable Extinguishing Media

Do NOT use water jet.

##### Specific hazards arising from the chemical

Heating of containers may cause pressure rise, with risk of bursting.

##### Hazardous Combustion Products

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Sulphur oxides

**Sensitivity to static discharge** None.

##### Protective Equipment and Precautions for Firefighters

Evacuate personnel to safe areas. Any action only if without personal risk. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA**                      **Health hazards** 0                      **Flammability** 0                      **Instability** 0

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Any action only if without personal risk. Evacuate personnel to safe areas. Keep unnecessary personnel away. Use personal protective equipment. Do not touch or walk through spilled material.

**Advice for emergency responders** For personal protection see section 8.

#### **Environmental Precautions**

Avoid dispersal of spilt material into waterways, drains, and sewers. Local authorities should be advised if significant spillages cannot be contained.

#### **Methods and material for containment and cleaning up**

Stop the flow of material, if this is without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

## **7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Handling** Wear personal protective equipment. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove and wash contaminated clothing before re-use.

### **Conditions for safe storage, including any incompatibilities**

**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.

**Incompatible Materials** strong oxidizing agents

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

### **Appropriate engineering controls**

**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.

### **Individual protection measures, such as personal protective equipment**

<b>Eye/face Protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Wear protective gloves and protective clothing.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection.

**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**

### **Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Characteristic
<b>Appearance</b>	Clear Blue	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	7	
Melting point/freezing point	< -21 °C	
Boiling Point/Range	> 300 °C	(oil based)
Flash Point	> 200 °C	[ASTM D92] (open cup)
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit	Not known	
Lower flammability limit	Not known	
Vapor Pressure	< 0.01 kPa	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	Insoluble in water	
No data available		
Partition coefficient:	No information available	
n-octanol/water		
Autoignition Temperature	> 300 °C	
Decomposition temperature	> 300 °C	
Viscosity of Product	No information available	
Dynamic viscosity	59 mm <sup>2</sup> /s (kinematic, 40 °C)	

**Other information**

Liquid Density 0.88 g/cm<sup>3</sup> [15°C]

**10. STABILITY AND REACTIVITY****Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Stable under recommended storage conditions.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

strong oxidizing agents

**Hazardous decomposition products**

None under normal use.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Skin</b>	May cause skin irritation.
<b>Ingestion</b>	No known significant effects or critical hazards.
<b>Inhalation</b>	No known significant effects or critical hazards.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Irritation</b>	Prolonged skin contact may cause skin irritation. Repeated exposure may cause skin dryness or cracking.
<b>Sensitization</b>	None known.
<b>Mutagenic effects</b>	None known.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract (IP346)) 64742-54-7	Not Listed	Not Listed	Known	Not Listed

**Legend:**

NTP (National Toxicology Program)  
Known - Known Carcinogen

<b>Reproductive Effects</b>	None known.
<b>STOT - single exposure</b>	None known.
<b>STOT - repeated exposure</b>	None known.
<b>Aspiration Hazard</b>	None known.

**Numerical measures of toxicity**

If available, toxicity values of individual components are shown below.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract (IP346)) 64742-54-7	> 15 g/kg ( Rat )	> 5000 mg/kg ( Rabbit )	No data available

1% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

If available, ecotoxicity values of individual components are shown below.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Distillates (petroleum), hydrotreated heavy paraffinic (< 3% DMSO extract (IP346)) 64742-54-7	No data available	5000: 96 h Oncorhynchus mykiss mg/L LC50	No data available	1000: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods****Waste Disposal Method**

Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

**Contaminated Packaging**

Triple rinse containers. Avoid contamination of any water supply with product or empty packaging. Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

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<u>DOT</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated
<u>RID</u>	Not regulated
<u>ADR/RID</u>	Not regulated

## 15. REGULATORY INFORMATION

State Regulations

### U.S. EPA Label information

**EPA Pesticide registration number** Not applicable

## 16. OTHER INFORMATION

**Preparation Date:** 03-Mar-2016  
**Revision Date:** 23-Sep-2020  
**Revision Note:** None

Update Section: 2

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of SDS**