



**Vacuum Pump Oil**

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product Identity** Vacuum Pump Oil

**Alternate Names** Vacuum Pump Oil

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

**Intended use** Lubricant

**Application Method** See Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Company Name** Mastercool Inc.  
 1 Aspen Drive  
 Randolph, NJ 07869 USA

**Emergency**

**CHEMTREC (USA)** (800) 424-9300  
**24 hour Emergency Telephone No.** (800) 424-9300 (CHEMTREC)  
 +1 202-366-4488 (outside the USA).

**2. Hazard identification of the product**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

No applicable CLP categories.

**Classification according to 67/548/EEC or 1999/45/EC.**

No applicable DPD categories.

**2.2. Label elements**

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

**According to Regulation (EC) No 1272/2008**

**[Prevention]:**  
 No CLP prevention statements

**[Response]:**  
 No CLP response statements

**[Storage]:**  
 No CLP storage statements

**[Disposal]:**



**Vacuum Pump Oil**

No CLP disposal statements  
See Technical Data Sheet.

**3. Composition/information on ingredients**

There are no ingredients in this product which are classified as hazardous.

**4. First aid measures**

**4.1. Description of first aid measures**

- General** In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.
- Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- Eyes** Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. *MrCool.ir*
- Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- Ingestion** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

- Overview** No specific symptom data available.  
See section 2 for further details.

**5. Fire-fighting measures**

**5.1. Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Do not use; water jet.

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: No hazardous decomposition data available.

**5.3. Advice for fire-fighters**

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

**ERG Guide No.** ----



## **Vacuum Pump Oil**

### **6. Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

#### **6.2. Environmental precautions**

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

*MrCool.ir*

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

### **7. Handling and storage**

#### **7.1. Precautions for safe handling**

See section 2 for further details. - [Prevention]:

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

Handle containers carefully to prevent damage and spillage.

Incompatible materials: No data available.

See section 2 for further details. - [Storage]:

#### **7.3. Specific end use(s)**

No data available.

### **8. Exposure controls and personal protection**

There are no ingredients in this product which are classified as hazardous.

#### **8.2. Exposure controls**

##### **Respiratory**

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

##### **Eyes**

Protective safety glasses recommended.



**Vacuum Pump Oil**

**Skin** Wear overalls to keep skin contact to a minimum.

**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

**9. Physical and chemical properties**

<b>Appearance</b>	CLEAR, COLORLESS TO PALE YELLOW OR AMBER Liquid
<b>Odor</b>	Characteristic
<i>McCool jr</i> <b>Odor threshold</b>	Not Measured
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	>300°C (572°F)
<b>Flash Point</b>	220°C (428°F)
<b>Evaporation rate (Ether = 1)</b>	Not Measured
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
<b>Vapor pressure (Pa)</b>	< 0.013 kPa (0.1 mmHg) at 20°C
<b>Vapor Density</b>	>1 at 101 kPa (Air=1) heavier than air
<b>Specific Gravity</b>	Not Measured
<b>Solubility in Water</b>	Insoluble in cold water, hot water
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt) @ 40 °C</b>	46 +/- 10%
<b>Density @20°C (g/cm3)</b>	0.86 -0.87
<b>Pour Point</b>	-18°C (0°F)

**9.2. Other information**

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

**Vacuum Pump Oil**

**10. Stability and reactivity**

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

No hazardous decomposition data available.

**11. Toxicological information**

**Acute toxicity**

There are no ingredients in this product which are classified as hazardous.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable



**Vacuum Pump Oil**

Aspiration hazard	---	Not Applicable
-------------------	-----	----------------

**12. Ecological information**

**12.1. Toxicity**

No additional information provided for this product. See Section 3 for chemical specific data.

**Aquatic Ecotoxicity**

There are no ingredients in this product which are classified as hazardous.

**12.2. Persistence and degradability**

There is no data available on the preparation itself.

**12.3. Bioaccumulative potential**

Not Measured

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This product contains no PBT/vPvB chemicals.

**12.6. Other adverse effects**

No data available.

**13. Disposal considerations**

**13.1. Waste treatment methods**

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

Container Warnings: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAMES, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE OR CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration Regulations, ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations.



**Vacuum Pump Oil**

**14. Transport information**

<b>14.1. UN number</b>		Not Applicable
<b>14.2. UN proper shipping name</b>		Not Regulated
<b>14.3. Transport hazard class(es)</b>		
<b>DOT (Domestic Surface Transportation)</b>		<b>IMO / IMDG (Ocean Transportation) / ICAO/IATA</b>
<b>DOT Proper Shipping Name</b>	Not Regulated	<b>IMDG Proper Shipping Name</b> Not Regulated
<b>DOT Hazard Class</b>	Not Applicable	<b>IMDG Hazard Class</b> Not Applicable Not
<b>DOT Label</b> ---		<b>Sub Class</b> Applicable
<b>UN / NA Number</b>	Not Applicable	<b>IMDG Packing Group</b> Not Applicable
<b>DOT Packing Group</b>	Not Applicable	
<b>CERCLA/DOT RQ</b>	NA gal. / NA lbs.	<b>ICAO/IATA Proper Shipping Name</b> Not Regulated
		<b>Air Class</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	
<b>14.5 Environmental Hazards</b>		
<b>IMDG</b>	Marine Pollutant: No	
<b>14.6 Special precautions for user</b>	Not Applicable	
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not Applicable	

**15. Regulatory information**

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

**EU Legislation**

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**Nation Legislation**

None noted



**Mastercool<sup>®</sup>**  
"World Class Quality"

## Safety Data Sheet

SDS Revision Date: 07 April 2017

## Vacuum Pump Oil

Page 8 of 8

### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. You can contact us to ensure that this document is the most current available. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to ensure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted.

End of Document