

Material Safety Data Sheet

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

OLYMPIC OIL, LTD.
5000 W. 41st St., Cicero, IL 60804
Phone: 708-876-7900
Monday -Friday 6:00 A.M. - 4:30 P.M.

Product Name: **ROBINAIR VACUUM PUMP OIL**

MSDS Number: **MSOL490**

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview

Physical State: Liquid Color: Bright and clear Odor: Mild
May cause temporary irritation to the eyes.
Prolonged or repeated exposure may cause slight skin irritation.
Spills may create a slipping hazard.

Key: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal

Hazard Ranking

	HMIS	NFPA
Health	0	0
Fire	1	1
Reactivity	0	0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	% WT (approx)
Hydrotreated heavy paraffinic distillate	64742-54-7	100

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids.
Get medical attention if irritation develops or persists.

SKIN: Wash skin thoroughly with plenty of soap and water. Immediately remove contaminated clothing.
Launder contaminated clothing before reuse. Discard saturated leather gloves and shoes. If irritation persists, get medical attention.

INGESTION: DO NOT INDUCE VOMITING. If more than a half-cup full of this material is swallowed, give quantities of water and obtain medical attention. Do not give anything by mouth to an unconscious person.

INHALATION: Vaporization is not expected at ambient temperatures. This material is not expected to be an inhalation problem under the anticipated conditions of use. In case of overexposure, move person to fresh air. If not breathing or no heartbeat, give artificial respiration or cardiopulmonary resuscitation. Get immediate medical attention.

NOTE TO PHYSICIAN: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 421°F (216°C)

METHOD OF DETERMINATION: COC D92

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water spray. Water may be ineffective, but can be used to cool exposed containers. Do not use a water jet.

HAZARDOUS COMBUSTION PRODUCTS: Toxic fumes, gases or vapors may evolve on burning.

FIRE FIGHTING INSTRUCTIONS: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. Material will float on water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ensure your own health and safety before attempting spill control or clean up. Take the proper precautions see Section 1 for Emergency Overview, Section 8 for Personal Protection and Section 13 for Disposal Considerations.

SMALL SPILL: Personal protective equipment must be worn (see Person Protection section for recommendations). Absorb spill with an inert material (e.g., dry sand or earth), then place in a chemical waste container. Use caution, material may present a slipping hazard.

LARGE SPILL: Contain spill and prevent it from entering all water bodies, if possible. Safely stop flow of spill. Evacuate non-essential personnel from immediate spill area. Ventilate area if spilled in a confined space or other poorly ventilated areas. Seek the advice of ecologists for clean up in natural environments. This material will float on water. Absorbent materials and pads can be used. Maximize product recovery for reuse or recycling. Transfer liquids and solid diking material to separate, suitable containers for recovery or disposal. Comply with all applicable laws. Spills must be reported to the National Response Center (800-424-8802).

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks and flame. Use appropriate containment to avoid environmental contamination. Keep containers closed when not in use. Hands should be washed thoroughly after handling. When transferring material, use proper bonding and/or grounding procedures.

STORAGE: KEEP OUT OF REACH OF CHILDREN! To avoid product degradation, water contamination should be avoided. Periods of exposure to high temperatures should be minimized

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

COMPONENT	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Mineral Oil (Oil mist)	5 mg/m ³	N/E	5 mg/m ³	10 mg/m ³

ENGINEERING CONTROLS: Use adequate ventilation to keep oil mists of this material below applicable guideline(s)/standard(s).

RESPIRATORY PROTECTION: Under normal conditions, a respirator is not required. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment.

SKIN PROTECTION: Use chemical resistant gloves to avoid prolonged or repeated skin contact. Consult manufacturer's recommendations. Gloves should be replaced if signs of degradation or chemical breakthrough occur. Long sleeve shirt is recommended. When leaving work area, wash hands/exposed skin with soap and water.

EYE PROTECTION: Use splash goggles or face shield. Eye wash water should be available. Hard contact lenses should not be worn.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

APPEARANCE:	<u>Bright and clear</u>
FLASH POINT:	<u>421 Deg F, 216 Deg C COC D92</u>
ODOR:	<u>Slight hydrocarbon</u>
SPECIFIC GRAVITY:	<u>0.85 – 0.87 at 60 Deg F</u>
SOLUBILITY IN WATER:	<u>Negligible</u>
PHYSICAL STATE:	<u>Liquid</u>
VAPOR PRESSURE:	<u>Not Determined</u>
VAPOR DENSITY:	<u>Not Determined</u>
PERCENT VOLATILE:	<u>Not Determined</u>
BOILING POINT:	<u>Not Determined</u>
VISCOSITY @ 100°C	<u>5.0 centistokes</u>

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is considered stable at room temperature and pressure. Avoid heat, sparks and open flame.

INCOMPATIBILITY: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion including the oxides of nitrogen and sulfur.

POSSIBILITY OF HAZARDOUS REACTION: None

SECTION 11: TOXICOLOGICAL INFORMATION

EYE IRRITATION: May cause slight, temporary irritation, based on component data.

SKIN IRRITATION: May cause mild irritation with prolonged or repeated exposure resulting in redness, edema, drying or cracking of skin, based on component data. Personnel with pre-existing skin conditions should take proper precautions.

RESPIRATORY IRRITATION: Exposure to vapors or mists of this oil may cause respiratory irritation, dizziness and nausea. Prolonged overexposure to vapors or mists may produce chemical pneumonitis, based on component data.

ORAL TOXICITY: No significant adverse health effects are expected to occur upon short-term exposure based on data from components.

CHRONIC TOXICITY: No data

CARCINOGENICITY: This product is formulated with mineral oils, which are considered to be severely refined and not considered to be carcinogenic under IARC. The IP346 test has not been used to evaluate these oils.

MUTAGENICITY: No Data

TERATOLOGY (BIRTH DEFECT) INFORMATION: No Data

REPRODUCTION INFORMATION: No Data

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: This material is not expected to be readily biodegradable based on component data

ENVIRONMENTAL FATE INFORMATION: Component data and data based on similar materials indicates that plants and animals may experience harmful or fatal effects when coated with petroleum products.

SECTION 13: DISPOSAL CONSIDERATIONS

To determine the proper method of disposal, refer to RCRA (40 CFR 261) as well as federal EPA and state and local regulations. Conditions of use may cause this material to become a "Hazardous Waste", as defined by state or federal laws. Use approved treatment, transporters and disposal sites in compliance with all applicable laws.

EMPTY CONTAINER WARNING: Empty containers contain residue, which may exhibit the hazards of the product. Do not attempt to refill or clean containers since residue is difficult to remove. Do not pressurize, cut, heat or weld containers.

SECTION 14: TRANSPORT INFORMATION

USA DOT: Not Regulated **UN/NA Number:** Not Regulated
RID/ADR: Not Regulated
IMO: Not Regulated
IATA: Not Regulated

SECTION 15: REGULATORY INFORMATION

GLOBAL REGULATORY INFORMATION

INVENTORY

UNITED STATES (TSCA)

Other TSCA

CANADA (DSL)

EUROPEAN UNION (EINECS)

JAPAN (METI)

PHILIPPINES (PICCS)

SOUTH KOREA (KECL)

AUSTRALIA (AICS)

CHINA (IECSC)

STATUS

All ingredients are on the inventory.

None known

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U. S. REGULATORY INFORMATION

SUPERFUND AMMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III:

This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substances) of any chemical substance listed under SARA Section 313.

SARA EXTREMELY HAZARDOUS LIST: This product does not contain greater than 1.0 % of any chemical on The SARA Extremely Hazardous list.

SARA 311/312

Immediate (Acute) Health Effects	No
Delayed (Chronic) Health Effects	No
Fire Hazards	No
Reactivity Hazards	No

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT

(CERCLA): This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substances) of any chemical substance listed under SARA Section 313.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 -

PROPOSITION 65: Based on information currently available, this product is not known to contain chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65. If this product is reformulated or further processed, further evaluation should be done based upon such reformulation or processing, as well as upon its final composition and use.

SECTION 16: OTHER INFORMATION

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources, which we believe are reliable. ***HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS.***

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. ***FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT.***

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

Date: 5 August 2011

Revision Date: 30 October 2008

Revision Indicator: None