

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: None

PRODUCT NAME: **Ryobi Universal 2 Cycle**

COMPANY: OLYMPIC OIL, LTD.
5000 W. 41st St.
Cicero, IL 60804

Phone: 708-876-7900 (M-F 6:00 A.M. - 4:30 P.M.)

2. COMPOSITION, INFORMATION ON INGREDIENTS

<u>COMPONENT (S)</u>	<u>CAS#</u>	<u>EXPOSURE LIMITS</u>	<u>%WT</u> (Approx.)
Severely Solvent Refined Heavy Paraffinic Petroleum Oil	64741-88-4	Oil Mist PEL (5mg/m ³); TLV (5mg/m ³) STEL (10mg/m ³)	40 - 50
Hydrotreated Light Distillate	64742-47-8	OSHA PEL TWA (500 ppm) (2000 mg/m ³)	50 - 60
Polymerized Fatty Acid 2-ethylhexyl Ester	68424-40-8		1 - 5
Additive Mixture	Proprietary	Oil Mist PEL (5mg/m ³)	30 - 40

(This may not be a complete list of components)

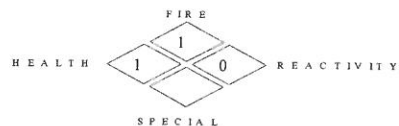
3. HAZARDS INFORMATION

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS:

- May cause skin irritation
- May cause eye irritation

Hazard Rating:
4 - Extreme
3 - High
2 - Moderate
1 - Slight
0 - Insignificant



4. FIRST AID MEASURES

EYE CONTACT: Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids. Get immediate medical attention.

SKIN CONTACT: Wash skin thoroughly with plenty of soap and water. Immediately remove contaminated clothing. Launder contaminated clothing before reuse. Discard contaminated 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.

NOTE TO PHYSICIAN: Treat symptomatically.

5. **FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES:

FLASH POINT: 250°F. (130°C) METHOD: COC D92

FLAMMABLE LIMITS:

Lower Flammable Limit: Not Determined (N/D)

Upper Flammable Limit: Not Determined (N/D)

AUTOIGNITION TEMPERATURE: N/D °F (N/D °C)

HAZARDOUS COMBUSTION PRODUCTS:

Burning or excessive heating may produce carbon monoxide, carbon dioxide and other harmful gases/vapors of incomplete combustion.

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam or water spray. Water is effective, but may cause frothing and splattering.

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. If firefighters cannot work upwind to the fire, respiratory protective equipment must be worn. Cool tanks and exposed containers with water. Material will float on water.

6. ACCIDENTAL RELEASE MEASURES

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. In natural environments, cleanup on advice from ecologists. 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 may need to be reported to the National Response Center (800-424-8802).

7. HANDLING AND STORAGE

HANDLING:

Keep away from heat, sparks and flame. Keep containers closed when not in use. Wash hands thoroughly after handling. To avoid product degradation, avoid water contamination. 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.

STORAGE:

KEEP OUT OF REACH OF CHILDREN! To avoid product degradation, water contamination should be avoided and minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized.

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

1 ENGINEERING CONTROLS:

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

2 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.

3 SKIN PROTECTION:

Use chemical resistant gloves to avoid prolonged or repeated skin contact. 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.

4 EYE PROTECTION:

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

9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

APPEARANCE:	<u>Dark Green</u>	BOILING POINT:	<u>Not Determined</u>
ODOR:	<u>Mild</u>	SOLUBILITY IN WATER:	<u>Not Determined</u>
PHYSICAL STATE:	<u>Liquid</u>	SPECIFIC GRAVITY:	<u>0.85 - 0.87</u>
VAPOR PRESSURE:	<u>Not Determined</u>	VISCOSITY @ 100 °C (cSt):	<u>6.8 - 7.25</u>
VAPOR DENSITY:	<u>Not Determined</u>	PERCENT VOLATILE:	<u>Negligible</u>

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): Material is considered stable at room temperature and pressure. Avoid heat, sparks and open flame.

INCOMPATIBILITY: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Mild irritation may occur upon short-term exposure. Based on component data.

SKIN EFFECTS: Mild skin irritation may occur upon short-term exposure. Long-term exposure may cause redness, edema, drying and cracking of skin. Based on component data.

ACUTE ORAL EFFECTS: No significant adverse health effects are expected to occur upon short-term exposure. Based on component data.

ACUTE INHALATION EFFECTS: No significant adverse health effects are expected to occur under normal conditions of use. However, exposure to petroleum mist at high levels may be irritating to the nose, throat and lungs.

CHRONIC TOXICITY: No Data

CARCINOGENICITY: Laboratory studies sponsored by the American Petroleum Institute show that mice develop skin cancer following repeated application and continuous exposure to used motor oil composite. Avoid contact with used motor oils. Personnel with pre-existing skin disorders should avoid contact with this product.

MUTAGENICITY: No Data

TERATOLOGY (BIRTH DEFECT) INFORMATION: No Data

REPRODUCTION INFORMATION: No Data

12. ECOLOGICAL INFORMATION

The spilled material and any soil or water that it has contaminated may be hazardous to animal/aquatic life.

CHEMICAL FATE INFORMATION: Not determined.

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.

14. TRANSPORT INFORMATION

DOT Hazard Class: Not Regulated
UN/NA Number: Not Regulated

15. 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 substance) of any chemical substances 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.

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components of this product are listed on the TSCA inventory.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA): This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances 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 known to contain the following chemicals known to the state of California to cause cancer or reproductive toxicity: benzene (CAS 71-43-2), cadmium, lead, chromium, mercury, toluene and arsenic present in immeasurable trace quantities of less than 0.1%. 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.

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: 29 April 2003
Revision Date: None