Material Safety Data Sheet

Revision Date: 06/15/99 Previous Date: 06/01/98

MSDS#: MSOL504

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: None

PRODUCT NAME: **2 - CYCLE EASY MIX ENGINE OIL**

COMPANY:

OLYMPIC OIL, LTD.
5000 W. 41st St.
Cicero, IL. 60804
Phone: 708-458-8500
M-F 6:00 A.M. - 4:30 P.M.

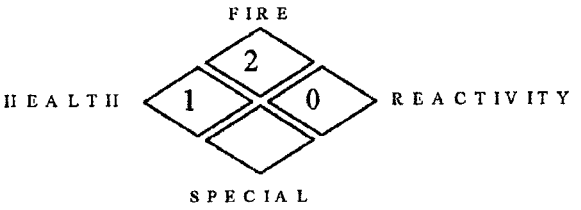
2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT(S)	CAS#	EXPOSURE LIMITS	%WT (approx.)
Refined Petroleum Oil	64742-62-7 64742-54-7 and/or 64742-65-0	Oil Mist PEL(5mg/m^3) 8hrs. TLV(5mg/m^3) 8hrs. STEL(10mg/m^3) 15hrs.	75
Ashless Dispersant	Mixture	Not Available	<15
Kerosene	8008-20-6 91-20-3 1330-20-7	Not Established OSHA PEL -10 ppm STEL -15 ppm OSHA PEL - 100 ppm STEL - 150 ppm AGGIH TWA -100 ppm STEL -150 ppm	<15

(This may not be a complete list of components)

3. HAZARDS INFORMATION

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



3.1 EMERGENCY OVERVIEW

May cause mild skin irritation and inflammation following extended contact!
Avoid skin contact
Wash thoroughly after handling
Used oil may be harmful to skin!
Laboratory studies sponsored by the American Petroleum Institute show that mice develop skin cancer following repeated application and continuous exposure to a used motor oil composite. Avoid skin contact with used motor oils. When contact occurs, wash promptly to remove. Get medical attention for any persistent skin problems.

POTENTIAL HEALTH EFFECTS:

EYE: Slight, but does not injure eye tissue.

SKIN: Mild skin irritation may occur upon short-term exposure

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

INGESTION: Minimal toxicity under normal conditions, but fatal if aspirated into lungs.

3.2 POTENTIAL HEALTH EFFECTS

CHRONIC (CANCER) INFORMATION: See used oil warning 3.1
This product has not been tested for carcinogenic activity - But similar products pose weak carcinogenic activity in lab animals.

TERATOLOGY (BIRTH DEFECT) INFORMATION: None Known

REPRODUCTION INFORMATION: None Known
Product listed as carcinogen or potential carcinogen by: NTP: No, IARC: No, OSHA: No

4. FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

EYES: Flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids. If pain or redness persists after flushing, obtain medical attention.

SKIN: Remove by wiping; then wash skin thoroughly with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse. Discard contaminated leather gloves and shoes.

INGESTION: Do not induce vomiting , and obtain medical attention immediately.

INHALATION: Vaporization is not expected at ambient temperatures and this material is not expected to be an inhalation problem under anticipated conditions of use. In case of overexposure, move person to fresh air.

4.2 NOTE TO PHYSICIANS

Supportive care. Treatment based on judgment of the physician response to reactions of the patient. It is not expected to aggravate pre-existing respiratory conditions under normal condition of use.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: 248°F

METHOD: ASTM D92

FLAMMABLE LIMITS:
Lower Flammable Limit: Not determined
Upper Flammable Limit: Not determined

AUTOIGNITION TEMPERATURE: Not determined.

HAZARDOUS COMBUSTION PRODUCTS:

Burning or excessive heating may produce carbon monoxide and other harmful

gases/vapors including oxides of nitrogen.

ESTINGUISHING MEDIA:

Dry chemical and carbon dioxide. Foam and water fog are effective, but may cause frothing.

FIRE FIGHTING INSTRUCTIONS:

OSHA/NFPA COMBUSTIBLE LIQUID. 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 containers exposed to fire with water.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Absorb spill with an inert material (e.g., dry sand or earth), then place in a chemical waste container

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 due toslipping hazards. In urban area, cleanup as soon as possible; In natural environments, cleanup on advice from ecologists. This material will float on water. Absorbent materials and pads can be used. 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. Use of oil impervious gloves recommended.

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 (GT 125°F) should be minimized. Product

degradation might increase health hazard risks.

STORAGE TEMPERATURE: Ambient
STORAGE PRESSURE: Atmospheric

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS:

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

8.2 RESPIRATORY PROTECTION:

None is needed under anticipated use conditions with adequate ventilation. If exposure exceeds the occupational exposure limits, follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment.

8.3 SKIN PROTECTION:

Avoid prolonged and/or repeated skin contact, or wear impervious protective clothing. When leaving work, wash hands/exposed skin with soap and water.

8.4 EYE PROTECTION:

Wear eye protection. In the likelihood of splashing or spraying, and especially if material is hot (GT 125°F), wear goggles and/or face shield. Eye wash water should be available. Hard contact lenses must not be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

APPEARANCE:	Blue	**BOILING POINT:**	≥ 300°F
ODOR:	Slight Petroleum	**SOLUBILITY IN WATER:**	Negligible
PHYSICAL STATE:	Liquid	**SPECIFIC GRAVITY:**	0.87-0.88
VAPOR PRESSURE:	N/D	**VISCOSITY @ 40 °C (cSt):**	60.0-80.0
VAPOR DENSITY:	N/D	**PERCENT VOLATILE:**	Not known

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

STABLE - Avoid extreme heat and open flame.

INCOMPATIBILITY:

Strong acids, alkalis and oxidizers such as liquid chlorine and oxygen.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and other harmful gases/vapors including oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Primary eye irritation score for Material such as Kerosene have ranged from 0.0 to 3.3/110 (rabbits)

SKIN EFFECTS:

Mild skin irritation may occur upon short-term exposure -Products similar to Kerosene have produced scores ranging from 1.95 to 6.30/8.0 (rabbits).

ACUTE ORAL EFFECTS:

For Kerosene LD 50 for similar to Kerosene was greater than 10g/Kg (rats)

ACUTE INHALATION EFFECTS:

Inhalation LD 50 for material similar to Kerosene was greater than 6.4g/m^3 (rats)

CHRONIC EFFECTS/CARCINOGENICITY:

Laboratory studies sponsored by the American Petroleum Institute show that mice develop skin cancer following repeated application and continuos exposure to a 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

12. ECONOMICAL INFORMATION

ECOTOICOLOGICAL INFORMATION:

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

CHEMCIAL FATE INFORMATION:

See 13

13. DISPOSAL CONSIDERATIONS

Maximize product recovery for reuse or recycling. 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. If spill is introduced into a waste-water treatment system, chemical and biological oxygen demand will likely increase. Spill material is biodegradable if gradually exposed to microorganisms. Potential treatment and disposal methods include land farming, incineration and land disposal, if permitted

14. TRANSPORT INFORMATION

DOT Hazardous Materials Proper Shipping Name

DOT Hazard Class
Combustible

15. REGULATORY INFORMATION

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

Section 311/312 Hazard Categories: Kerosene is defined as hazardous by OSHA under 29 CFR Part 1910.1200 (CD)

SARA TITLE 313 (40 CFR PART 372):
It contains Xylene and Naphthalene, which are on the toxic chemical list.

All components of this product are listed on the TSCA inventory.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA):

No chemicals in this product are subject to the reporting requirements of CERCLA.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 - PROPOSITION 65:

Based on information currently available, this product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition. If you reformulate or further process this product, you should further evaluate this product 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.***

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