

## Safety Data Sheet

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

**PRODUCT NAME: ACE SYNTHETIC 2-CYCLE**

**MSDS NUMBER: MSOL425**

**Transportation**                      **CHEMTREC 1-800-424-9300(USA); +1 703-527-3887(outside USA)**  
**Emergency Phone**

### SECTION 2: HAZARDS IDENTIFICATION

Appearance                      Green liquid  
Odor                                Mild  
Principal Hazards                May cause transient mild irritation to the eyes  
    Prolonged or repeated exposure may cause mild irritation to the skin

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient                                    | CAS No.    | WT % (approx) |
|---|------------|---------------|
| Severely solvent refined heavy paraffinic oil | 64741-88-4 | 40 - 50       |
| Light Hydrotreated distillates                | 64742-47-8 | 20 - 30       |
| Polyisobutylene                               | 9003-29-6  | 20 - 30       |
| Residual oils/solvent dewaxed                 | 64742-62-7 | 1 - 10        |

### SECTION 4: FIRST AID MEASURES

**Eyes:** Immediately flush eyes with clean, low-pressure water for at least 15 minutes, occasionally lifting the eyelids. Get medical attention.

**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.

**Oral:** 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. If vomiting occurs, lower head below knees to avoid aspiration.

**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, administer artificial respiration and oxygen.

**Note to physician:** Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

**Flash Point:** 377.6°F. (192°C)

**Method of Determination:** COC D92

**Extinguishing Media:** Carbon dioxide, dry chemical, foam. Water is ineffective, but may be used to cool exposed containers.

**Firefighting Procedures:** 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.

**Unusual Fire & Explosion Hazards:** See Section 10 for additional information.

## 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:** Remove all sources of ignition. Provide adequate ventilation during clean up. 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, get advice from ecologists on clean-up procedures. 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).

## SECTION 7: HANDLING AND STORAGE

**Handling:** Keep away from heat, sparks and flame. Keep containers closed when not in use. Use appropriate containment to avoid environmental contamination. Ground all handling equipment to prevent sparking. Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged exposure to skin. Hands should be washed thoroughly after handling.

**Storage:** KEEP OUT OF REACH OF CHILDREN! Do not transfer to unmarked containers. Store in cool well ventilated areas in closed containers away from heat, sparks, open flame or oxidizing materials.

**Storage Temperature:** Ambient

**Storage Pressure:** Atmospheric

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

**Exposure Guidelines:**

| COMPONENT         | OSHA                |      | ACGIH               |                      |
|-------------------|---------------------|------|---------------------|----------------------|
|                   | TWA                 | STEL | TWA                 | STEL                 |
| Oil mist, mineral | 5 mg/m <sup>3</sup> | N/E  | 5 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |

**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. Gloves should be replaced if signs of degradation or chemical breakthrough occur. Do not wear rings, watches or similar apparel that could entrap material and cause a skin reaction. 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:** Green  
**Flash point:** 377.6 deg. F (192 deg. C) by COC d92  
**Odor:** Mild  
**Specific gravity:** 0.85 – 0.87  
**Solubility in water:** Negligible  
**Vapor pressure:** Not determined  
**Vapor density:** Not determined  
**Percent volatile:** Negligible  
**Viscosity @ 100 deg. C:** 6.5 – 7.5 centistokes

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Material is considered stable at room temperature and pressure. Avoid heat, sparks and open flame.  
**Incompatibility:** Strong oxidizing agents, acids and alkalis.  
**Thermal Decomposition:** Burning or excessive heating may produce smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.  
**Polymerization:** None  
**Conditions to avoid:** None

## SECTION 11: TOXICOLOGICAL INFORMATION

**Eye Irritations:** Mild, transient irritation may occur upon short-term exposure, based on component data.  
**Skin Irritation:** Mild, transient skin irritation may occur upon short-term exposure, based on component data. Long-term exposure may cause redness, edema, drying and cracking of skin. Persons with pre-existing skin conditions should avoid contact with this material.  
**Respiratory Irritation:** 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.

**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

**Teratogenicity:** No Data

**Reproductive Toxicity:** No Data

## SECTION 12: ECOLOGICAL INFORMATION

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

**Environmental Fate:** Component data 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. Use proper bonding and grounding procedures.

## SECTION 14: TRANSPORT INFORMATION

**DOT Hazard Class:** Not Regulated

**UN/NAID No.:** None

**ICAO/IATA:** Not Regulated

**IMDG:** 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)**

#### STATUS

All ingredients are on the inventory.

None known

Contains ingredients that may not be on the inventory.

Contains ingredients that may not be on the inventory.

Contains ingredients that may not be on the inventory.

Contains ingredients that may not be on the inventory.

Contains ingredients that may not be on the inventory.

**Australia (AICS)**  
**China (IECSC)**

Contains ingredients that may not be on the inventory.  
Contains ingredients that may not be on the inventory.

### U. S. REGULATORY INFORMATION

**Superfund Amendments 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

|   |            |
|---|------------|
| <b>Immediate (Acute) Health Effects</b> | <b>Yes</b> |
| <b>Delayed (Chronic) Health Effects</b> | <b>No</b>  |
| <b>Fire Hazards</b>                     | <b>No</b>  |
| <b>Reactivity Hazards</b>               | <b>No</b>  |

**CERCLA Hazardous Substances:** 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.

**Cal. Prop. 65:** Based on information currently available, this product may contain the following chemicals currently listed as carcinogens under California Proposition 65, which may be subject to the proposition: naphthalene: 0.001%, ethylbenzene: ,0.001%, toluene: ,0.001%, benzene: ,0.001%. 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

#### US NFPA Codes

|               |             |                   |                |
|---------------|-------------|-------------------|----------------|
| <b>Health</b> | <b>Fire</b> | <b>Reactivity</b> | <b>Special</b> |
| <b>1</b>      | <b>1</b>    | <b>0</b>          | <b>N/E</b>     |

#### HMIS Codes

|               |             |                   |
|---------------|-------------|-------------------|
| <b>Health</b> | <b>Fire</b> | <b>Reactivity</b> |
| <b>1</b>      | <b>1</b>    | <b>0</b>          |

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