



Date Issued:

04/13/93

**Section A — IDENTIFICATION & EMERGENCY INFORMATION**

Manufacturer's Name: **DRYDEN OIL COMPANY**  
Emergency Telephone Number: **301-574-5000**  
**800-777-1466**

Address: **9300 Pulaski Highway**  
**Baltimore, Maryland 21220**

Product Name: **Drydene Reciprocating Compressor Oils**  
**10, 20, 30, 40, 50**

Chemical Name: **Petroleum Oil**  
**(Lubricating Oil)**

CAS Number (For Finished Product):  
**COMPLEX MIXTURE**  
CAS Number Not Applicable

Product Appearance & Odor:  
**Clear, Light Amber Liquid**  
**Mild Petroleum Odor**

**HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)**

Health **1**      Flammability **1**      Reactivity **0**

HAZARD RATING: Least-0 Slight-1 Moderate-2 High-3 Extreme-4

**SECTION B — COMPONENTS & HAZARD INFORMATION**

**COMPONENTS**

**CAS NO. OF  
COMPONENTS**

**APPROXIMATE  
CONCENTRATION**

Lubricating Oil Base Stock

64742-52-5

Greater than 85%

Proprietary Additives

Mixture

Less than 15%

Exposure Limit for Total Product: **5mg/m<sup>3</sup>** oil mist

Basis: **OSHA Reg 29 CFR 1910.1000**

**THIS PRODUCT IS NOT CONSIDERED HAZARDOUS BY OSHA IN ACCORDANCE WITH 29 CFR 1910.1200 OSHA COMMUNICATION STANDARD**

This product does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA, IARC, Monographs or the National Toxicology Program.

**U.S. TSCA Inventory:** All components are included on the U.S. TSCA Inventory.

**CERCLA:** Under the Comprehensive Response, Compensation, and Liability Act, (CERCLA), certain release to air, land, or water may be reportable to the National Response Center at 800-424-8802. Circumstances surrounding the release and cleanup determine reportability. This product is not subject to CERCLA reporting requirements.

**SARA Sections 301-304:** Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 SARA 301-304 not applicable.

**SARA Sections 311-313:** Toxic Chemical Release reporting, EPA Regulation 40 CFR 372 SARA Sections 311-313 not applicable.

**SECTION C — PHYSICAL DATA**

THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES.

Boiling Range: Not Determined

Percent Volatile by Volume: **NEGLIGIBLE**

Specific Gravity (H<sub>2</sub>O=1): **.8927/.9030**

Vapor Pressure: **NEGLIGIBLE**

Pour Point: **-21. C / -12. C**

Vapor Density: **GREATER THAN AIR**

Viscosity: **100. C cSt 6.5/18.7**

Evaporation Rate: **NEGLIGIBLE**

Solubility in Water: **Negligible, Below 0.1%**

**SECTION D — FIRE PROTECTION INFORMATION**

**FLASH POINT & METHOD:** Min. ASTM D-92 C.O.C. °C, (°F.)

**202 (396) / 235 (455)**

**AUTOIGNITION TEMPERATURE:**  
**NOT DETERMINED**

**NATIONAL FIRE  
PROTECTION ASSOCIATION  
(NFPA) — Hazard Identification**

Health — **1**  
Flammability — **1**  
Reactivity — **0**

Basis: Recommended by Dryden Oil Co.

**HAZARD RATING (NFPA):**  
4-Extreme 3-High 2-Moderate  
1-Slight 0-Insignificant

None

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

**FLAMMABLE LIMITS or EXPLOSIVE LIMITS:** (Approximate Percent By Volume In Air)  
THESE ARE ESTIMATED VALUES.

**LOWER FLAMMABLE LIMIT — 0.9%      UPPER FLAMMABLE UNIT — 7%**

## SECTION D — FIRE PROTECTION INFORMATION (Continued)

**HANDLING PRECAUTIONS:** Use product with caution around heat, sparks, pilot lights, static electricity and open flame.

**DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:** Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

**EXTINGUISHING MEDIA & FIRE FIGHTING PROCEDURES:** Foam, water spray (fog), dry chemical, carbon dioxide and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on the size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's *Fire Protection Guide on Hazardous Materials*.

Use water spray, dry chemical, foam or carbon dioxide. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from exposures. Use supplied air breathing equipment for enclosed or confined spaces or as otherwise needed.

**EMPTY CONTAINER WARNING:** "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, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND 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 reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

## SECTION E — PROTECTION & PRECAUTIONS

**RESPIRATORY PROTECTION:** No Special Requirements under ordinary conditions of use and with adequate ventilation.

**VENTILATION:** No Special Requirements under ordinary conditions of use.

**PROTECTIVE GLOVES:** Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

**WORK PRACTICES / ENGINEERING CONTROLS:** Keep containers and storage containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

**EYE PROTECTION:** Use splash goggles or face shield when eye contact may occur.

**PERSONAL HYGIENE:** Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil-soaked. Clean skin thoroughly after contact, before breaks and meals, and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

## SECTION F — SPILL OR LEAK PROCEDURE

**ENVIRONMENTAL IMPACT:** Report spills as required to the appropriate authorities. U.S. Coast Guard Regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to the Coast Guard toll free number 800-424-8802.

**PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:** Recover free product. Add sand, earth, or other suitable absorbent

material to the spill area. Minimize breathing vapors. Minimize skin contact. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.

**ASSURE CONFORMITY WITH ALL APPLICABLE REGULATIONS.**

## SECTION G — REACTIVITY

**STABILITY:**  
Stable

**HAZARDOUS POLYMERIZATION:**  
Will Not Occur

**CONDITIONS & MATERIALS TO AVOID:**  
Avoid heat, open flames and oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulates and gases will evolve when this material undergoes

combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

## SECTION H — Emergency & First Aid Procedures and Primary Routes of Entry

### EYE CONTACT:

If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

### SKIN CONTACT:

In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water.

### INGESTION:

If ingested, DO NOT induce vomiting; call a physician immediately.

### INHALATION:

Vapor pressure is very low. Vapor inhalation under ambient temperature conditions is not normally a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. Administer oxygen, if available. If over-exposed to oil mist, remove from further exposure until excessive mist oil condition subsides.

## SECTION I — Effects of Overexposure

**Skin:** Prolonged or repeated skin contact may cause skin irritation.

**Eye:** Slight irritation.

**Ingestion:** Relatively non-toxic.

THE PRECISE COMPOSITION OF THIS MIXTURE IS PROPRIETARY INFORMATION. A MORE COMPLETE DISCLOSURE WILL BE PROVIDED TO A PHYSICIAN OR NURSE IN THE EVENT OF A MEDICAL EMERGENCY.

UNDER THE PENNSYLVANIA RIGHT TO KNOW ACT 35 P.S. 7311 (a), the specific chemical identity is being withheld as a trade secret, except in the event of a medical emergency.