

# CYCLO<sup>®</sup> INDUSTRIES, LLC

## MATERIAL SAFETY DATA SHEET

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This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, LLC considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

### SECTION 1 — PRODUCT IDENTIFICATION

Product Name: C-643 & C-644, Hydraulic Jack Oil

Hazardous Material Description:

DOT= Non-Hazardous Petroleum Lubricating Oil

IMDG = Petroleum Lubricating Oil, N.O.S, Non-Hazardous

NFPA Code:            Health = 1                      Fire = 2                      Reactivity = 0

### SECTION 2 — PHYSICAL DATA

Boiling Point: Greater than 620°F

Specific Gravity (H<sub>2</sub>O = ): 0.88

Vapor Pressure: Not determined

Vapor Density: Not determined

Solubility in Water: Negligible

Evaporation Rate (Butyl Acetate = 1): Very slow

Appearance and Odor: Light to dark amber liquid. Lubricating oil odor.

**SECTION 3 — HAZARDOUS INGREDIENTS**

<u>CAS Reg. No.</u>	<u>Material</u>	<u>Percentage</u>	<u>Exposure Levels</u>
64742-54-7 or 64742-65-0	Petroleum Lubricating Oil Base Stock	90 – 99	5 mg / m <sup>3</sup> * - OSHA PEL 5 mg / m <sup>3</sup> * - ACGIH TLV 10 mg / m <sup>3</sup> * - STEL
Mixture	Proprietary	0.01 – 1	5 mg / m <sup>3</sup> * - OSHA PEL
68649-42-3	Zinc Dialkyldithiophosphate	0.01 – 1	Not available
Not available	Acrylic Copolymer in Neutral Oil	0.05 – 0.15	5 mg / m <sup>3</sup> * - OSHA PEL 5 mg / m <sup>3</sup> * - ACGIH TLV

\* Oil mist in air.

**SECTION 4 — FIRE AND EXPLOSION HAZARD DATA**

Flash Point: 300°F minimum

Method Used: C.O.C.

Flammable Limits: LEL = Not determined

UEL = Not determined

Extinguishing Media: Dry chemical, water fog, carbon dioxide or foam. Exposed material may be cooled with water.

Special Fire Fighting Procedures: Do not use water except as fog.

Unusual Fire and Explosion Hazards: Combustible at high temperatures. Irritating or toxic substances may be emitted upon thermal decomposition. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full face mask and full protective equipment.

**SECTION 5 — HEALTH HAZARD DATA**

Effects of Overexposure:

Ingestion: Practically non-toxic.

Inhalation: May cause respiratory tract irritation.

Skin Contact: Practically non-toxic.

Eye Contact: Eye irritant.

Health Hazards (Acute and Chronic):

Acute: No data available.

Chronic: Irritation of eyes, nose and throat, dizziness and dermatitis.

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

First Aid Procedures:

Ingestion: Contact a physician immediately. Do NOT induce vomiting.

Skin Contact: Wash with soap and water.

Inhalation: Remove individual to fresh air.

Eye Contact: Flush with water for 15 minutes.

**SECTION 6 — REACTIVITY DATA**

Stability: Stable

Incompatibility (materials to avoid): Contact with strong oxidizers.

Hazardous Decomposition Products: Combustion may produce CO, carbon dioxide and reactive hydrocarbons.

Hazardous Polymerization: Will not occur.

**SECTION 7 — SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Use NIOSH or MSHA approved equipment when airborne exposure limits are exceeded.

Ventilation: Ventilate in accordance with good engineering practices.

Protective Gloves: Wear impervious gloves.

Eye Protection: Use chemical safety goggles.

Other Protective Equipment: Use chemical resistant apron to avoid contaminating regular clothing which may result in prolonged skin contact.

Work/Hygienic Practices: Minimize breathing vapor, mist or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder before reuse. Remove contaminated shoes and clean before reuse. If oil soaked, discard. Clean skin thoroughly after ALL contact. Product is easily removed with waterless hand cleaner followed by soap and water.

**SECTION 8 — SPILL OR LEAK PROCEDURES**

Steps To Be Taken In Case Material Is Released or Spilled: Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with governmental regulations.

Waste Disposal Method: Dispose of in accordance with all applicable federal, state and local regulations.

**SECTION 9 — SPECIAL PRECAUTIONS**

Precautions To Be Taken In Handling and Storage: Do not handle or store at temperatures over 100°F. do not transfer to unmarked containers.

Other precautions: Empty containers may contain flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld or reuse unless adequate precautions are taken against these hazards.

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