



# CYCLO<sup>®</sup> INDUSTRIES, LLC

## MATERIAL SAFETY DATA SHEET

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 & COMPANY IDENTIFICATION

**Product Name:** Cyclo<sup>®</sup> Air Tool Oil, Stock No. C-652

**Product Use:** All hydraulic jacks, snow plows, forklifts, loaders, power truck lifts.

**Manufactured by:** Cyclo Industries, LLC  
10190 Riverside Drive, Palm Beach Gardens, Florida 33410-4881  
Telephone: (561) 775-9600

**First Aid Emergency:** (800) 752-7869 or (312) 906-6194

**Shipping Emergency:** (800) 424-9300 or (703) 527-3887 (CHEMTREC)

### SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
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	Mixtures of organic acids, oxy- acids, lactones, esters & some unsaponifiable matter	0 – 10	5mg/m <sup>3</sup> * = OSHA PEL
Mixture**	Hydrocarbon Polymers	0 – 1	
111-76-2	Glycol Ether	0 – 2	

\* Oil mist in air

\*\*Proprietary information

### SECTION 3 – HAZARDS IDENTIFICATION

#### Effects of Overexposure:

Ingestion: Practically non-toxic.  
Inhalation: May cause respiratory tract irritation.  
Skin Contact: Practically non-toxic.

**SECTION 3 – HAZARDS IDENTIFICATION continued****Health Hazards (Acute and Chronic):**

ACUTE: No data available

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

**Carcinogenicity:** NTP Carcinogen = No; IARC Monographs = No; OSHA Regulated = No**SECTION 4 – FIRST AID MEASURES****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 5 – FIRE FIGHTING MEASURES****Flash Point:** 315°F (157°C)**Method Used:** C.O.C.**Flammable Limits in Air by Volume:** Lower Explosion Level (LEL) = Not determined  
Upper Explosion Level (UEL) = Not determined**Extinguishing Media:** Dry chemical, water fog, CO<sub>2</sub> 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.**NFPA Code:** Health = 1 Flammability = 1 Reactivity = 0**SECTION 6 – ACCIDENTAL RELEASE MEASURES****Spill/Leak Procedures:** 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.**SECTION 7 – HANDLING AND STORAGE****Handling Procedures:** Do not handle or store at temperatures over 100°F. Do not transfer to unmarked containers. 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. See product label for additional information. **KEEP OUT OF THE REACH OF CHILDREN.**

### SECTION 7 – HANDLING AND STORAGE continued

**Storage Procedures:** Do not store above 100°F (38°C).

### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**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:** Wear 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 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** >610°F (>321°C)

**Specific Gravity (H<sub>2</sub>O=1):** 0.87 – 0.93

**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 with lubricating oil odor

### SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable

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

**Hazardous Decomposition or Byproducts:** Combustion may produce CO, carbon dioxide and reactive hydrocarbons.

**Hazardous Polymerization:** Will not occur.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Aquatic/Terrestrial Toxicity Environmental Fate** No data is available at this time.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

**SECTION 14 – TRANSPORT INFORMATION****U.S. DOT**

<b>Shipping Description:</b>	Non-Hazardous Petroleum Lubricating Oil
<b>ID Number:</b>	Not applicable
<b>Hazard Class:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>Placards:</b>	Not applicable

**IMDG**

<b>Shipping Description:</b>	Petroleum Lubricating Oil, N.O.S., Non-Hazardous
<b>ID Number:</b>	Not applicable
<b>Hazard Class:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>Markings:</b>	Not applicable
<b>Placards:</b>	Not applicable

**SECTION 15 – REGULATORY INFORMATION**

**TSCA Inventory:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory of chemical substances maintained by the U.S. Environmental Protection Agency.

**SARA Extremely Hazardous Substances** None

**SARA Section 313** This product contains the following toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 – Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
None		

**SECTION 15 – REGULATORY INFORMATION continued**

**CERCLA/Superfund (RQ):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

**SECTION 16 – OTHER INFORMATION**

**Document Date:** September 23, 2003

**Supersedes:** 4/17/02

**Revisions:** Added Sections 11, 12 and 15

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