



CYCLO[®] 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[®] 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 ³ * = OSHA PEL 5 mg/m ³ * = ACGIH TLV 10 mg/m ³ * = STEL
Mixture	Mixtures of organic acids, oxy- acids, lactones, esters & some unsaponifiable matter	0 – 10	5mg/m ³ * = 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, CO₂ 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 (H₂O=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**

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

IMDG

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