

**CYCLO<sup>®</sup> INDUSTRIES, LLC**  
**MATERIAL SAFETY DATA SHEET**

10190 Riverside Drive, Palm Beach Gardens, Florida 33410-4881  
Phone: (561) 775-9600

First Aid Emergency: (800) 752-7869 Ext. 10 or (312) 906-6194 Ext. 10

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

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 X PRODUCT IDENTIFICATION**

Product Name: C-91, C-92, C-94 Cyclo<sup>®</sup> Oil Treatment

Hazardous Material Description:

DOT & IMDG - Petroleum Lubricating Oil, N.O.S. (Non-Hazardous)

NFPA Rating: Health = 1

Fire = 1

Reactivity = 0

**SECTION 2 X PHYSICAL DATA**

Boiling Point: > 625°F (329°C)

Specific Gravity (H<sub>2</sub>O=1): 0.86

Vapor Pressure (mm Hg): Not determined

Vapor Density (Air =1): Not determined

Solubility in Water: Negligible

Evaporation Rate (Butyl Acetate = 1): Very slow

Appearance and Odor: Light amber liquid (thickness dependent on viscosity) slight oil odor.

## SECTION 3 X HAZARDOUS INGREDIENTS

CAS Reg. No.	Material	Percentage Range	Exposure Levels
64742-54-7 or 64742-65-0	Petroleum Lubricating Oil Base Stock	90 – 95	5 mg/m <sup>3</sup> = OSHA PEL 5 mg/m <sup>3</sup> = ACGIH TLV 10 mg/m <sup>3</sup> = STEL
Confidential	Hydrocarbon Polymer	5 – 10	Not applicable

## SECTION 4 X FIRE AND EXPLOSION HAZARD DATA

Flash Point: >385°F (196°C) Method Used: C.O.C.

Flammable Limits (% by volume): Lower Exposure Level = Not Determined  
Upper Exposure Level = Not Determined

Extinguishing Media:

Dry chemical or water fog, CO<sub>2</sub>, foam, sand/earth. 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 X HEALTH HAZARD DATA

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

First Aid Procedures:

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

Skin Contact: Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

Eye Contact: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Carcinogenicity: NTP Carcinogen=No IARC Monographs=No OSHA Regulated=No

SECTION 6 X REACTIVITY DATA

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizers.

Hazardous Decomposition Products:

Combustion may produce CO, carbon dioxide and reactive hydrocarbons.

Hazardous Polymerization: Will not occur

SECTION 7 X 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: Chemical safety goggles

Other Protective Equipment:

Use chemical resistant apron or other impervious clothing 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 X SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released or Spilled:

Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand or vermiculite. Sweep up and dispose as solid waste in accordance with local, state and federal regulations. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities of product has entered or may enter sewers, watercourses or extensive land areas.

Waste Disposal Method:

Dispose of in accordance with all applicable federal, state and local regulations.

SECTION 9 X SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage:

Do not handle or store at temperatures over 100°F (38°C). 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.

Date entered: 5/9/93

Date revised: 12/2/98

Cyclo Industries, LLC provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. Cyclo Industries, LLC makes no representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Cyclo Industries, LLC will not be responsible for damages resulting from use of or reliance upon this information.