

CYCLO[®] 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-13, Cyclo[®] Break-Away[®] Fast Penetrating Oil, 1 gallon
C-15, Cyclo[®] Break-Away[®] Fast Penetrating Oil, 55 gallon

Hazardous Material Description: Paraffin Oil, Non-Hazardous

HMIS Code: HEALTH=2 REACTIVITY=0 FLAMMABILITY=2

SECTION 2 — PHYSICAL DATA

Boiling Point: >500°F	Specific Gravity: Not available
Vapor Pressure: Not available	Vapor Density (AIR=1): >1
Percent Volatile By Volume (%): 91.62	Percent Solids By Weight: Not applicable
Solubility in Water: Insoluble	pH: Not available
Evaporation Rate (Ether = 1): <1	
Appearance and Odor: Light colored liquid, strong odor	
Volatile Organic Compound (VOC) (as packaged minus water): <10%	

SECTION 3 — HAZARDOUS INGREDIENTS

<u>CAS Reg. No.</u>	<u>Material</u>	<u>Percentage</u>	<u>PEL TWA</u>
00108-94-1	Cyclohexanone	<10	25 ppm
Not Established	Sodium Sulfonate/ Mineral Oil	<10	5 mg/m3
Not Established	Napthenic Oil	<90	5 mg/m3

SECTION 4 — FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200°F

Method Used: T.C.C.

Extinguishing Media: Water, fog, CO₂, dry chemical, alcohol resistant foam

Special Fire Fighting Procedures: Wear full protective fire gear including self-contained breathing apparatus will full face piece.

Unusual Fire and Explosion Hazards: Keep vapors away from possible ignition sources. Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Containers that are exposed to direct flame should be cooled with water to eliminate structural weakening of the container's wall and possible rupture.

SECTION 5 — HEALTH HAZARD DATA

Effects of Overexposure:

Ingestion: May cause irritation of throat and stomach.

Inhalation: May cause lung irritation.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

First Aid Procedures:

Ingestion: Do not induce vomiting. Seek medical attention. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent aspiration into the lungs.

Skin Contact: Wash with soap and water.

Inhalation: Remove to fresh air.

Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention if symptoms persist.

SECTION 6 — REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Strong oxidizing materials, acids and alkaline materials.

Incompatibility (materials to avoid): Strong oxidizing agents.

Hazardous Decomposition Products: Smoke, carbon monoxide and other. Carbon dioxide and unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: Will not occur.

SECTION 7 — SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH/OSHA approved respirator. Use ventilation as required to control vapor concentrations. At least 10 air changes per hour are recommended for good general room ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH-approved respirator.

Ventilation: Local Exhaust Rate: No
Special: Yes
Mechanical (General): Not applicable

Protective Gloves: Neoprene type Eye Protection: Chemical safety goggles

Other Protective Equipment: Long sleeve shirt and apron

SECTION 8 — SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released or Spilled: **LARGE SPILLS:** Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off sources of leak only if it is safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress and contain run-off. Remove with vacuum trucks or pump to storage or salvage vessels. Soak up with absorbent material and place in non-leaking containers. **SMALL SPILLS:** Take up with absorbent material and place in non-leaking containers. Seal tightly for proper disposal.

Waste Disposal Method: In accordance with local, state and federal regulations.

SECTION 9 — SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage:

Store in a well ventilated area away from possible ignition sources.

Other precautions:

Store in a cool, dry, ventilated area away from ignition sources.

Date entered: 5/20/93

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