

CYCLO[®] 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 1 (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 - PRODUCT IDENTIFICATION

Product Name: C-99 & C-100 Cyclo[®] Fast Start[™] Starting Fluid

Hazardous Material Description: DOT: Aerosols, Consumer Commodity ORM-D
IMDG: Aerosols, 2, UN1950, Ltd. Qty.

HMIS Code: HEALTH=2 FLAMMABILILTY=4 REACTIVITY=1

SECTION 2 - PHYSICAL DATA

Boiling Point: 95°F Specific Gravity: 0.713

Vapor Pressure: 537 Vapor Density: 2.55

Percent Volatile By Volume (%): Not determined

Percent Solids By Weight (%): Not determined

Solubility in Water: Slight pH: Not determined

Evaporation Rate (Butyl Acetate = 1): 37.5

Appearance and Odor: Clear liquid with ethereal odor

Volatile Organic Compound (VOC) (as packaged % by weight): 93%

SECTION 3 - HAZARDOUS INGREDIENTS

CAS Reg.No.	Material	Percentage	TLV (Units)
142-82-5	Heptane	60 - 70	500 ppm (OSHA)
60-29-7	Diethyl Ether	25 - 35	400 ppm (OSHA)
124-38-9	Carbon Dioxide	1 - 10	5000 ppm (OSHA)
NA	Upper Cylinder Lubricant	0 - 5	Not Established

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: -49°F

Method Used: (T.C.C.)

Extinguishing Media: Water, fog, CO₂ or Dry Chemical

Special Fire Fighting Procedures: Handle as extremely flammable liquid. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots and a NIOSH-approved self-contained breathing apparatus with full face piece.

Unusual Fire and Explosion Hazards: Containers exposed to intense heat from fires should be cooled with water to prevent 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: Headache, dizziness, nausea and loss of consciousness
- Skin Contact: May cause irritation of the skin
- Eye Contact: May cause eye irritation

First Aid Procedures:

- Ingestion: Do not induce vomiting. Seek medical attention.
- Skin Contact: Remove contaminated clothing and wash with soap and water.
- Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration.
- Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention if symptoms persist

SECTION 6 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Keep away from heat, sparks or open flames. Do not store above 120°F.

Incompatibility (materials to avoid): Strong oxidizing agents

Hazardous Decomposition Products: Smoke, carbon monoxide and carbon dioxide

Hazardous Polymerization: Will not occur

SECTION 7 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH/OSHA approved respirator if ventilation is inadequate.

Ventilation:

Local Exhaust Rate: Yes
Special: None
Mechanical (General): Recommended

Protective Gloves: Neoprene type

Eye Protection: Chemical safety goggles or safety glasses

Other Protective Equipment: None

SECTION 8 - SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released or Spilled: Ventilate area, remove sources of ignition, prevent entry into sewers, pick up free liquid with inert absorbent material for proper disposal.

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

RCRA Hazardous Waste No. (40 CFR 261.33): D001

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 cans in a cool, dry, ventilated area away from ignition sources. Prolonged exposure of cans to elevated temperatures may cause cans to vent, rupture or burst. Keep this and all chemicals out of the reach of children. Contents under pressure. Do not store above 120°F. Do not puncture or incinerate.

Date entered: 1/21/97

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