



# 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® *Fast Start*® Starting Fluid, Stock Nos. C-99 & C-100

**Product Use:** High ether formula engine starting fluid for gasoline and diesel engines. Contains upper cylinder lubricant and rust inhibitor. Fast cold weather starts to -65°F

**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
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
N/A	Upper cylinder lubricant	0 – 5	Not established

### SECTION 3 – HAZARDS IDENTIFICATION

**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

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

### SECTION 4 – FIRST AID MEASURES

**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 5 – FIRE FIGHTING MEASURES

**Flash Point:** -49°F (-45°C)

**Method Used:** T. C.C.

**Extinguishing Media:** CO<sub>2</sub>, dry chemical, water, fog

**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.

**HMIS Code:** Health = 2      Flammability = 4      Reactivity = 1

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Spill/Leak Procedures:** Ventilate area, remove sources of ignition, prevent entry into sewers, pick up free liquid with inert absorbent material for proper disposal.

#### SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** Contents under pressure. Do not puncture or incinerate. Prolonged exposure of cans to elevated temperatures may cause cans to vent, rupture or burst. See product label for additional information. KEEP OUT OF THE REACH OF CHILDREN.

**Storage Procedures:** Store cans in a cool, dry, ventilated area away from ignition sources. Do not store above 120°F (50°C).

#### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**Ventilation:** Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit and LEL below stated limit.

**Protective Gloves:** Neoprene type required for prolonged or repeated contact.

#### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION continued

**Eye Protection:** Safety glasses with splash guards or full face shield is recommended.

**Other Protective Equipment:** None

**Work/Hygienic Practices:** Eye washes and safety showers in the workplace are recommended.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 95°F (35°C)                      **Specific Gravity (H<sub>2</sub>O=1):** 0.713

**Vapor Pressure:** 537                              **Vapor Density:** 2.55

**Solubility in Water:** Slight                      **pH:** Not determined

**Percent Volatile By Volume (%):** Not determined

**Evaporation Rate (Butyl Acetate = 1):** 37.5

**Appearance and Odor:** Clear liquid with ethereal odor

**Volatile Organic Compound (VOC) (as packaged minus water):** 93%

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Keep away from heat, sparks or open flames. Do not store above 120°F (50°C).

**Incompatibility (materials to avoid):** Strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Smoke, carbon monoxide and carbon dioxide.

**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

<b>U.S. DOT</b>		<b>IMDG</b>	
<b>Shipping</b>		<b>Shipping</b>	
<b>Description:</b>	Consumer Commodity ORM-D	<b>Description:</b>	Aerosols, Ltd. Qty.
<b>ID Number:</b>	Not applicable	<b>ID Number:</b>	UN 1950

**Hazard Class:** Not applicable  
**Packing Group:** Not required  
**Label:** Not required  
**Markings:** Not required  
**Placards:** Not required

**Hazard Class:** 2  
**Packing Group:** Not applicable  
**Label:** Not required  
**Markings:** Not required  
**Placards:** Not required

#### 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 does not contain any toxic chemical(s) 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><b>CERCLA/Superfund (RQ):</b></u>	<u>Chemical Name</u>	<u>CAS#</u>	<u>RQ(lbs.)</u>
	Diethyl ether	60-29-7	100

**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:** 5/11/04

**Supersedes:** 8/4/03

**Revisions:** Section 2 – fixed incorrect CAS # for Carbon Dioxide

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