



# CYCLO<sup>®</sup> INDUSTRIES, INC. 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, Inc. 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: Cyclo<sup>®</sup> C-37 Electric Motor Cleaner

Hazardous Material Description: DOT = Consumer Commodity ORM-D  
IMDG = Aerosols, Class 2.3, UN1950, Limited Quantity

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

## SECTION 2 — PHYSICAL DATA

Boiling Point: 250°F    Specific Gravity (H<sub>2</sub>O=1): Not applicable

Vapor Pressure	mm Hg	@	Temp:
Perchloroethylene	13.0		68°F
Carbon Dioxide	38650.060		°F

Vapor Density: Heavier than air    Evaporation Rate: Slower than Ether

Solubility in Water: Nil

Appearance and Odor: Aerosol product; colorless liquid; mildly sweet

Volatile Organic Compound (VOC) (as packaged minus water): 0%

## SECTION 3 — HAZARDOUS INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
127-18-4	* Perchloroethylene	90 - 100%	100 ppm OSHA PEL 25 ppm ACGIH TLV 100 STEL
124-38-9	Carbon Dioxide	1 - 10%	10000 ppm OSHA PEL 5000 ppm ACGIH TLV

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

#### SECTION 4 — FIRE AND EXPLOSION HAZARD DATA

Flash Point: None

Method Used: T.C.C.

Flammable Limits In Air By Volume:

Lower = Not Determined

Upper = Not Determined

Extinguishing Media: Foam, alcohol foam, CO<sub>2</sub>, dry chemical, water fog

Special Fire Fighting Procedures: Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles are preferred. Wear goggles and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Keep containers from heat and open flame. Closed containers may explode when exposed to extreme heat. Toxic gases and vapors (such as hydrogen chloride, phosgene and carbon monoxide) may be released in a fire. Symptoms may not be readily apparent. Obtain medical attention.

#### SECTION 5 — HEALTH HAZARD DATA

Effects of Overexposure:

Ingestion: Not a likely route of exposure.

Inhalation: Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired co-ordination, cardiac sensitization.

Skin Contact: May dry the skin. Prolonged contact may cause irritation. Not easily absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis.

Eye Contact: Liquid or vapor can irritate. Prolonged contact may lead to corneal damage.

Health Hazards (Acute and Chronic):

Acute - Eye and skin irritant. Narcotic in high concentrations.

Chronic- Liver and kidney disease. Skin irritation and dermatitis. Chronic overexposure have caused liver and kidney toxic effects in experimental animals. Can cause central nervous system effects, irregular heartbeat and possible death if too much is breathed. Deliberate concentration and inhalation of contents may be harmful or fatal. Can elevate carboxyhemoglobin levels following exposure.



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

**SECTION 8 — SPILL OR LEAK PROCEDURES**

Steps To Be Taken In Case Material Is Released or Spilled: Avoid breathing vapors. Ventilate area. Dike area to contain spill. Clean up area with absorbent material and place in closed containers for disposal.

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 9 — SPECIAL PRECAUTIONS**

Precautions To Be Taken In Handling and Storage: Store and use in cool, dry, well-ventilated areas. Avoid contact with hot metal surfaces. Keep away from excessive heat or open flame. Contents under pressure. Do not puncture or incinerate container or store above 120°F.

Other precautions: The storage of non-flammable products with non-flammable or flammable pressurizing agent, in cartons, is the same as for ordinary canned goods in cartons.

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Revisions: Cyclo Industries incorporated. Address changed. DOT & IMDG hazard class updated.

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