

# CYCLO<sup>®</sup> 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-109 Cyclo Parts, Tools & Brake Cleaner™      Common Code #: 930

Hazardous Material Description:

DOT: Consumer Commodity ORM-D

IMDG: Aerosols, 2, UN1950, Limited Quantity

HMIS Code:      Health = 2              Flammability = 0              Reactivity = 0

### SECTION 2 - PHYSICAL DATA

Boiling Range: 189°F - 250°F                      Specific Gravity (H<sub>2</sub>O=1): 1.456 - 1.610

Vapor Pressure (mmHg): 31 - 60                      Vapor Density: Not given

Percent Volatile By Volume (%): 100                      Solubility in Water: Not soluble in water

Evaporation Rate (Butyl Acetate = 1): Greater than 1

Appearance and Odor: Colorless liquid, chlorinated solvent odor

Volatile Organic Compound (VOC) (as packaged minus water): Less than 50%

**SECTION 3 - HAZARDOUS INGREDIENTS**

<u>CAS Reg. No.</u>	<u>Material</u>	<u>Percentage Range</u>	<u>Exposure Levels</u>
124-38-9	Carbon Dioxide	1 – 5	5000 ppm = OSHA TWA 9000 mg/m <sup>3</sup> = OSHA TWA 5000 ppm = ACGIH 9000 mg/m <sup>3</sup> = ACGIH
79-01-6	* Trichloroethylene	1 – 5	50 ppm = OSHA TWA 270 mg/m <sup>3</sup> = OSHA TWA 50 ppm = ACGIH 270 mg/m <sup>3</sup> = ACGIH
127-18-4	* Perchlorethylene	70 – 80	25 ppm = OSHA TWA 171 mg/m <sup>3</sup> = OSHA TWA 50 ppm = ACGIH 343 mg/m <sup>3</sup> = ACGIH
1330-20-7	* Xylene	20 – 30	100 ppm = OSHA TWA 434 mg/m <sup>3</sup> = OSHA TWA 100 ppm = ACGIH 434 mg/m <sup>3</sup> = ACGIH

\* This product contains chemicals which are subject to the reporting requirements of SARA 313.

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flash Point: None Method Used: None

Extinguishing Media: Carbon dioxide, dry chemical, foam

Special Fire Fighting Procedures: Containers can build up pressure if exposed to fire. Containers should be cooled with water spray.

Fire Fighting Equipment: Self-contained breathing apparatus with full face piece operated in pressure demand or positive pressure mode.

Unusual Fire and Explosion Hazards: Vapors are heavier than air and can collect in low areas.

Note: Material will not support combustion.

**SECTION 5 - HEALTH HAZARD DATA**

Acute Health Effects:

Ingestion: This product may be harmful or fatal if swallowed. May cause discomfort, nausea, vomiting and diarrhea if swallowed.

Inhalation: Respiratory irritation, dizziness, changes in heart rate. Alcohol consumed before exposure may increase adverse effects.

Skin Contact: Prolonged or repeated contact with skin can cause irritation.

Eye Contact: Will cause irritation upon contact.

**SECTION 5 - HEALTH HAZARD DATA continued**

Chronic Health Effects: Overexposure to the ingredients in this product may cause liver abnormalities and kidney damage. Perchloroethylene has been shown to increase the rate of spontaneously occurring malignant tumors in certain laboratory animals.

## First Aid Procedures:

Ingestion: DO NOT induce vomiting. Give CONSCIOUS victim glass of water and seek medical attention. NEVER give water to unconscious victim.

Skin Contact: Wash area with soap and water. Seek medical attention if irritation persists.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention.

**SECTION 6 - REACTIVITY DATA**

Stability: Stable

Incompatibility (materials to avoid): Strong oxidizing agents.

Hazardous Decomposition Products: Hydrogen chloride, small amounts of phosgene and chlorine if material is involved in fire.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Excessive heat, open flame.

**SECTION 7 - SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Wear organic vapor air purifying respirator when working with this product.

Ventilation: Strong general or local exhaust ventilation.

Protective Gloves: Chemical resistant gloves such as nitrile.

Eye Protection: Chemical splash goggles with indirect or no ventilation.

Other Protective Equipment: Eye wash station and safety shower.

Comments: Never eat, drink or smoke in work areas.

**SECTION 8 - SPILL OR LEAK PROCEDURES**

Steps To Be Taken In Case Material Is Released or Spilled: Notify safety personnel, evacuate all unnecessary personnel and provide adequate ventilation. If feasible without risk, clean-up personnel should stop leak. All clean-up personnel should wear proper personal protective equipment.  
SMALL SPILL: Clean with inert absorbent and place in recovery drums for disposal.

**SECTION 8 - SPILL OR LEAK PROCEDURES continued**

LARGE SPILL: Dike to prevent further migration of material. Do not release into waterways or sewers. Follow applicable OSHA regulation 20CFR1910.120.

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.

Note: Product in aerosol container. Spill hazard unlikely

**SECTION 9 - SPECIAL PRECAUTIONS**

Precautions To Be Taken In Handling and Storage: Store in clean, dry locations away from excessive heat. Store in areas designated for the storage of (Level I) aerosols according to NFPA 30B (Manufacture and Storage of Aerosol Products.)

Other precautions: Wash thoroughly after handling. Do not get into eyes, on skin or on clothing.

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