

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-2100 Cyclo[®] Smoke Treatment

Hazardous Material Description: Non-hazardous Petroleum Product

NFPA Code: Fire – 1

Health – 1

Reactivity - 0

SECTION 2 - PHYSICAL DATA

Boiling Point: Not determined

Specific Gravity (H₂O=1): 0.86

Vapor Pressure (mm Hg): <0.001 @ 20°C

Vapor Density (AIR=1): >10

Percent Volatile By Volume (%): Not determined

Solubility in Water: Negligible

Evaporation Rate (Butyl Acetate = 1): <1

Melting Point: Pour Point 5°F / -15°C

Appearance and Odor: Viscous, amber liquid with petroleum odor

SECTION 3 - HAZARDOUS INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
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This product does not contain any hazardous ingredients

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 482°F 250°C Method Used: COC

Extinguishing Media: Foam, dry chemical or carbon dioxide

Flammable Limits In Air % By Volume at:

Lower Explosion Limit (LEL): 1.0 Upper Explosion Limit (UEL): 10.0

Special Fire Fighting Procedures: Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Unusual Fire and Explosion Hazards: Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

SECTION 5 - HEALTH HAZARD DATA

Effects of Overexposure:

Ingestion: DO NOT INGEST. This product has laxative properties and may result in abdominal cramps and diarrhea.

Inhalation: Not a probable inhalation hazard. Avoid misting of product. The Permissible Exposure Limit (PEL) and Threshold Limit Value (TLV) for this product as an oil mist is 5 mg/m³. Exposures below 5 mg/m³ appear to be without significant health risk. The short term exposure limit for this product as an oil mist is 10 mg/m³.

Skin Contact: Avoid skin contact. Minimally irritating to the skin upon direct contact based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping and reddening. This condition may make the skin more susceptible to other irritants, sensitizers and disease. Prolonged or repeated contact may result in oil acne.

Eye Contact: Practically non-irritating upon direct contact based on testing of similar products and/or components.

Health Data: Prolonged and repeated exposure to oil mist may pose a risk of pulmonary disease such as chronic lung inflammation. This condition is usually asymptomatic as a result of repeated small aspirations. Shortness of breath and cough are the most common symptoms.

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

First Aid Procedures:

Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.

Skin Contact: Remove contaminated clothing and flush with water and mild soap. If redness or irritation persists, seek medical attention.

Inhalation: Not considered to be an inhalation hazard. If breathing becomes difficult, remove to fresh air immediately. Seek medical attention.

Eye Contact: Flush with large amounts of water for at least 15 minutes or until irritation subsides. Consult physician if irritation or pain persists.

SECTION 6 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: None

Incompatibility (materials to avoid): May react with strong oxidizing agents.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

SECTION 7 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when material is heated or handled, use a NIOSH-approved organic vapor respirator with a dust and mist filter.

Ventilation: Adequate ventilation must be provided to maintain concentrations below the specified exposure or flammable limits if vapor or mist is generated when the material is heated.

Protective Gloves: For prolonged or repeated contact, use impervious gloves.

Eye Protection: Not required under normal use. Use splash-proof safety glasses or plastic face shields if splashing may occur.

Skin Protection: None required in normal use. For prolonged or repeated contact, use impervious clothing (aprons, etc.) to cover exposed body parts.

Other: Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking or smoking.

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: Notify appropriate authorities of spill. Contain spill immediately. Do not allow spill to enter sewers or watercourses. Remove all sources of ignition. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets or other means and placed in drums or other suitable containers.

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 in closed containers away from heat, sparks, flame or oxidizing materials. Do not transfer to unmarked containers. Use in well ventilated areas.

SECTION 10 – REGULATORY INFORMATION

This product is not known to contain any SARA Title III, Section 313 reportable chemicals at or greater than 1.0% (0.1% for carcinogens).

All ingredients of this product are listed on the Toxic Substances Control Act (TSCA) inventory.

Date entered: May 3, 2001

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