

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 (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-42 & C-43 Cyclo Gas Treatment

Hazardous Material Description: DOT & IMDG: Non-Hazardous Auto Care Product

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

SECTION 2 — PHYSICAL DATA

Specific Gravity: 0.8 at 15.5/15.5C (target) Solubility in Water: Negligible

Appearance and Odor: Light amber liquid, amine, kerosene odor.

SECTION 3 — HAZARDOUS INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Levels
8008-20-6	Petroleum Distillates	90 – 100	100 mg/m ³ = OSHA STEL 100 mg/m ³ = ACHIG STEL
104-76-7	2-Ethyl-1-hexanol	0 – 5	Not Established
98-82-8	Cumene	0 – 5	50 ppm TWA 8, skin = OSHA/ACGIH
95-63-6	1,2,4 – Trimethylbenzene	0 – 5	Not Established
1330-20-7	Xylene	0 – 5	100 ppm TWA 8 = OSHA/ACGIH 150 ppm STEL/Ceiling = OSHA/ACGIH
103-65-1	n-Propylbenzene	0 – 5	Not Established
108-67-8	1,3,5-Trimethylbenzene	0 – 5	Not Established
67-63-0	Isopropyl Alcohol	0 – 5	400 ppm / OSHA PEL 400 ppm / ACGIH TLV 500 ppm / TLV STEL

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

SECTION 4 — FIRE AND EXPLOSION HAZARD DATA

Flash Point: 144°F (62°C) Method Used: PMCC

Flammable Limits: Not established

Extinguishing Media: Dry chemical, foam, water spray

Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel. Isolate “fuel” supply from fire. Respiratory and eye protection required for fire fighting personnel. Avoid spraying water directly into storage containers due to danger of boilover.

Unusual Fire and Explosion Hazards: Toxic gases will form upon combustion. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

SECTION 5 — HEALTH HAZARD DATA

Symptoms of exposure: Headache, drowsiness, eye, respiratory or skin irritation, nausea, numbness.

Acute Exposure Effects: Central nervous system depression, peripheral nervous system depression, narcosis, asphyxiation, gastrointestinal disturbances and eye and skin irritation.

Chronic Exposure Effects: Dermatitis, pneumonitis, pulmonary edema and kidney damage.

First Aid Procedures:

Ingestion: Do NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Skin Contact: Immediately flush with large amounts of water for at least 15 minutes while removing contaminated clothing, including shoes, after flushing has begun. Follow up with soap and water wash as soon as possible. If irritation persists, get medical attention. Wash clothing before use.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Keep warm and quiet. Get medical attention.

Eye Contact: Flush eyes immediately with plenty of water for at least 15 minutes. Get prompt medical attention.

SECTION 6 — REACTIVITY DATA

Stability: Stable Conditions to Avoid: Heat, flame

Incompatibility (materials to avoid): Strong oxidants and reducing agents.

Hazardous Decomposition Products: Fumes, smoke, oxides of nitrogen and carbon monoxide.

Hazardous Polymerization: Will not occur

SECTION 7 — SPECIAL PROTECTION INFORMATION

Respiratory Protection: Where overexposure by inhalation may occur and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary.

Ventilation: Should be provided to control worker exposures and prevent health risk.

Protective Gloves: Resistant to chemical penetration.

Eye Protection: Chemical goggles for primary protection. Where contact may occur wear safety glasses with side shields.

Other Protective Equipment: If skin contact or contamination of clothing is likely, chemical-resistant, protective clothing should be worn.

SECTION 8 — SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released or Spilled: Land spill – Eliminate sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers, watercourses or low areas. Take up small spills with sand or earth. Do not take up with any combustible materials such as sawdust. Large spills may be taken up with pump (use and explosion proof or hand prop) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up. Water spill: Eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Waste Disposal Method: Dispose of in a permitted hazardous waste facility in compliance with applicable local, state and federal regulations. It should be handled in a manner acceptable to good waste management practice.

TSCA: Components of this product are listed on the TSCA Inventory Discharge or spills which produce a visible sheen on either surface water or in waterways/sewers which lead to surface water. Spills must be reported to the National Response Center at (800) 424-8802.

This information may be subject to the provision of the community Right-to-Know Reporting Requirements (40 CRF 370) if threshold quantity criteria are met.

SECTION 9 — SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage: Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible material. DO NOT handle or store near an open flame, heat or other ignition sources. Protect material from direct sunlight. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of

SECTION 9 — SPECIAL PRECAUTIONS continued

ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner or properly disposed of. DO NOT reuse empty containers without commercial cleaning or reconditioning.

Other precautions: Refer to other sections of this MSDS.

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