

Product: Liquid Citrus Cleaner-Concentrate**Product #:** 92-881079K 1**SECTION I - MANUFACTURER INFORMATION****Name:** Mercury Marine**Emergency:** 800-424-9300 (ChemTrec)**Address:** W6250 W. Pioneer Rd.**Information:** 920-929-5418

PO Box 1939

Date Prepared: 09-18-00

Fond du Lac WI 54936-1939

Revised:**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components*	OSHA PEL	ACGIH TLV	Other	% (Opt.)
Ethanol, 2,2',2' '-Nitrilotris-(102-71-6)	N/E	5mg/m ³		1-5
Ethanol, 2,2'-Iminobis-(Diethanolamine) (111-42-2)**	3ppm	0.46ppm		1-5
Cyclohexene, 1-Methyl-4-(1-Methylethenyl)- ,(R)- (5989-27-5)	N/A	N/A		10-30

*Specific Chemical Identity, Common Name (CAS)

** Ingredient subject to the reporting requirements of SARA 313.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**Boiling Point:** 212°F**Specific Gravity (H₂O=1):** 0.97**Vapor Pressure (mmhg):** N/D**Melting Point:** N/D**Vapor Density (Air=1):** > 1**Evaporation Rate:** < 1**Solubility in Water:** Soluble in water.**(Butyl Acetate=1)****Appearance and Odor:** Green or amber liquid; citrus odor**HMIS Rating:** H-1 F-N/D R-N/D P-Section VIII**SECTION IV - FIRE AND EXPLOSION HAZARD DATA****Flash Point (Method Used):** 140°F (COC)**NFPA Rating:** H-1 F-2 R-0 S-N/A**Flammable Limits:** LEL – N/D UEL - N/D**Extinguishing Media:** Foam, carbon dioxide (CO₂), dry chemicals, sand, dolomite, etc. Water spray.**Special Fire Fighting Procedures:** Use water to keep fire exposed containers cool and disperse vapors.

Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures.

Keep run-off water out of sewers and water sources. Dike for water control. Avoid water in straight hose

stream; will scatter and spread fire. Self-contained breathing equipment and chemical-resistant clothing

recommended.

Unusual Fire and Explosion Hazards: Pressure will increase in overheated, closed containers.**SECTION V - REACTIVITY DATA****Stability:** Unstable () Stable (X)**Conditions to Avoid:** Heat, flames and other sources of ignition.**Incompatibility (Materials to Avoid):** Strong oxidizers.**Hazardous Decomposition or Byproducts:** Oxides of carbon and nitrogen.**Hazardous Polymerization:** May Occur () Will Not Occur (X)**ADDITIONAL INFORMATION**

Mercury Marine Emergency Information Number: 920-929-5000

Manufacturer, Chemtool Inc., Emergency Number: 815-459-1250

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation (Y) Skin (Y) Eye (Y) Ingestion (Y)

Health Hazards (Acute and Chronic): Concentrate may cause irritation to eyes and skin. Prolonged exposure to product mist or vapors may cause respiratory irritation.

Carcinogenicity: NTP (N) IARC Monographs (N) OSHA Regulated (N)

Signs and Symptoms of Exposure: Inhalation – Heating can generate vapors that may cause respiratory irritation, nausea, and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product. Inhalation of produce vapor or mist may cause irritation of mucous membranes in nasal passages and throat. Skin – Slightly irritating. Repeated or prolonged contact can result in drying of the skin. Eye – Irritating. Liquid, vapor, and mist may cause discomfort in the eye with severe transient conjunctivitis. Serious corneal injury is not anticipated. Ingestion – Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

Medical Conditions Generally Aggravated by Exposure: N/D

Emergency and First Aid Procedures: Inhalation – Remove victim immediately from source of exposure. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Perform artificial respiration if breathing has stopped. Get medical attention. Skin – Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. Eye – Important! Immediately rinse with water for at least 15 minutes. Get medical attention if any discomfort continues. Ingestion – DO NOT INDUCE VOMITING! Administer large amounts of water. Get medical attention immediately! Never give anything by mouth to an unconscious person.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Keep all sources of ignition and hot metal surfaces away from spill. Place leaking containers in well-ventilated area. If fire potential exists, blanket spill with foam or use water spray to disperse vapors. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, flush area sparingly with water or use absorbent material. Avoid discharge to natural water ways.

Waste Disposal Method: Spilled material, unused contents and empty containers must be disposed of in accordance with federal, state, and local regulations.

Precautions to be taken in Handling and Storing: Keep lid closed when not in use. Do not reuse container. Do not store or mix with strong oxidizers. Products contains amines; do not mix with nitrites. Keep away from heat, sparks, and open flame. Store separate from strong acids and oxidizers.

Other Precautions: KEEP AWAY FROM CHILDREN!

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Ventilation: Local Exhaust & Mechanical: No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

Protective Gloves: For prolonged or repeated skin contact, use suitable protective gloves.

Eye Protection: Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protective Clothing or Equipment: Wear appropriate clothing to prevent repeated or prolonged skin contact.

Work/Hygiene Practices: Always follow good housekeeping and personal hygiene practices.

N/D = NOT DETERMINED (NO DATA) N/E = NONE ESTABLISHED Y = YES
N/A = NOT APPLICABLE N/AV = NOT AVAILABLE N = NO