

Product: Fuel System Cleaner

Product #: 92-802873A 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: 03-09-88
Fond du Lac WI 54936-1939	Revised: 05-04-00

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components*	OSHA PEL	ACGIH TLV	Other	% (Opt.)
Additive Mixture (Mixture)	N/A	N/A		5
Isopropanol (67-63-0)	400ppm	N/A		15
Refined Petroleum Oil (64742-52-5)	N/A	N/A		80

* Specific Chemical Identity, Common Name (CAS)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 148°F	Specific Gravity (H₂O=1): 0.795
Vapor Pressure (mmhg): 97.0	Melting Point: N/D
Vapor Density (Air=1): 1.1	Evaporation Rate: N/D
Solubility in Water: Soluble	(Butyl Acetate=1)
Appearance and Odor: Amber liquid, solvent odor	
HMIS Rating: H-1 F-3 R-0 P-Section VIII	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 54°F (TOC) **NFPA Rating:** H-1 F-3 R-0 S-None

Flammable Limits: LEL - 6.0 UEL - 36.5

Extinguishing Media: Halon replacement or carbon dioxide extinguishers, or alcohol foam for small fires. Alcohol foam for large fires.

Special Fire Fighting Procedures: Wear NIOSH-approved SCBA respirator in the positive pressure mode and chemical-protective clothing specifically recommended for methanol. Water spray or fog can cool fire but may not be effective in extinguishing fire.

Unusual Fire and Explosion Hazards: Containers may explode in heat or fire. Use water spray to cool containers exposed to fire. Dangerous fire and explosion hazard when exposed to heat or flame. Methanol is extremely flammable and forms explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back.

SECTION V - REACTIVITY DATA

Stability: Unstable () Stable (X)

Conditions to Avoid: Sources of ignition, combustibles, oxidizing materials, and acid.

Incompatibility (Materials to Avoid): Strong oxidizing agents, aluminum, zinc, or metals that displace hydrogen, rubber and rubber-based coatings, chromic anhydride, lead perchlorate and percholoric acids.

Hazardous Decomposition or Byproducts: Excessive heating and/or incomplete combustion will produce carbon monoxide and toxic vapors such as formaldehyde.

Hazardous Polymerization: May Occur () Will Not Occur (X)

ADDITIONAL INFORMATION

Mercury Marine Emergency Information Number: 920-929-5000
 Manufacturer, Gold Eagle Co., Emergency Number: 800-424-9300 (ChemTrec)

SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): Inhalation - Low risk. Potential effects: dizziness, nausea, visual impairment, narcosis, and muscular impairment. Skin - Prolonged or repeated contact may cause dermatitis, scaling, and possible systemic effects. Eye - Mild irritant. Ingestion - Toxicity is relatively low. Risk of aspiration into lungs. Ingestion of large quantities may cause slight gastrointestinal discomfort, diarrhea, and headache. Small doses may produce irritation and diarrhea.

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

Signs and Symptoms of Exposure: See Health Hazards (Acute and Chronic)

Medical Conditions Generally Aggravated by Exposure: N/D

Emergency and First Aid Procedures: Inhalation – Move exposed person to fresh air at once and call emergency medical care. If breathing has stopped, give artificial respiration. If breathing is difficult, give humidified oxygen. Skin - Remove contaminated clothing. Wash contaminated skin with soap and water for at least 15 minutes. Systemic effects may be delayed 18 to 72 hours; therefore keep individual under observation. Launder contaminate clothing before reuse. Eye – Immediately wash the eyes with large quantities of room temperature water for at least 15 minutes occasionally lifting lower and upper eyelids. Get medical attention immediately. Ingestion - DO NOT INDUCE VOMITING. Get medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Small Spill: Remove sources of heat or ignition. Provide adequate ventilation. Contain leak using absorbent, inert, non-combustible material.

Large Spill: Contain spill. Transfer to secure containers. In the event of an uncontrolled material release, the user should determine if release is reportable under applicable laws and regulations.

Waste Disposal Method: Dispose of product in accordance with federal, state, and local regulations. Before attempting to clean up, refer to other sections of this MSDS for hazard caution information.

Methanol waste and material contaminated with methanol would be regulated as a hazardous waste material under the hazardous waste number U154.

Precautions to be taken in Handling and Storing: Product is flammable. Keep away from sources of ignition, combustibles, oxidizing materials and acid. Store in an area equipped with automatic sprinklers or fire extinguishing system. Empty containers contain product residues, assume emptied containers to have same hazards as full containers.

Other Precautions: KEEP AWAY FROM CHILDREN!

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Do not use air purifying respirator. Use appropriate NIOSH-approved supplied or self-contained respirator. Respirators must be selected based on the airborne levels found in the workplace and must not exceed the working limits of the respirator.

Ventilation: Local: To maintain exposure levels below recommended exposure limits

Mechanical: In confined spaces

Protective Gloves: Natural rubber or neoprene

Eye Protection: Splash-proof chemical goggles or appropriate full-face respirator. DO NOT WEAR CONTACT LENSES WHILE USING THIS PRODUCT!

Other Protective Clothing or Equipment: Wear body-covering work clothes to avoid prolonged exposure.

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