

Product: Marine Heavy Duty Penetrating Oil-Aerosol**Product #:** 92-881095K 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.)
Distillates, Petroleum Severely Hydrotreated Heavy Naphthenic (64742-52-5)	5mg/m ³	5mg/m ³		10-30
Butane (106-97-8)	800ppm	800ppm		10-30
Distillates, Petroleum, Severely Hydrotreated Light Naphthenic (64742-53-6)	5mg/m ³	5mg/m ³		30-50
Propane (74-98-6)	1000ppm	N/E		1-5
Trichloroethylene (79-01-6)**	50ppm	50ppm		30-50

*Specific Chemical Identity, Common Name (CAS)

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

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/D	Specific Gravity (H₂O=1): ~0.96
Vapor Pressure (mmhg): N/D	Melting Point: N/D
Vapor Density (Air=1): > 1	Evaporation Rate: < 1 (Butyl Acetate=1)
Solubility in Water: Insoluble in water.	
Appearance and Odor: Colorless aerosol; solvent odor	
HMIS Rating: H-2 F-N/D R-N/D P-Section VIII	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA**Flash Point (Method Used):** -156°F (Method N/D) **NFPA Rating:** H-2 F-2 R-1 S-NA**Flammable Limits:** LEL – 1.9 UEL - 52**Extinguishing Media:** Foam, carbon dioxide (CO₂), dry chemicals, sand, dolomite, etc.**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. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. Use special protective clothing. Regular protection may not be safe. Prevent inhalation of fumes and gases. Self-contained breathing equipment and chemical-resistant clothing recommended.**Unusual Fire and Explosion Hazards:** Volume and pressure increases strongly when heated. Risk of container explosion in fire.**SECTION V - REACTIVITY DATA****Stability:** Unstable () Stable (X)**Conditions to Avoid:** Contact with acids and oxidizing substances. Avoid heat, flames, and other sources of ignition.**Incompatibility (Materials to Avoid):** N/D**Hazardous Decomposition or Byproducts:** Oxides of carbon, chlorine, and hydrocarbons.**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): Irritating to eyes and skin. Possible risk of irreversible effects.

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

Signs and Symptoms of Exposure: Inhalation – The solvent vapors are harmful and will cause headache, nausea, intoxication. Skin – Irritating. Repeated or prolonged contact can result in drying of the skin. Eye – Irritating. Splash or high vapor concentration can damage the eyes. Ingestion – Can cause severe internal injury.

Medical Conditions Generally Aggravated by Exposure: N/D

Emergency and First Aid Procedures: Inhalation – Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention. Skin – Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Get medical attention if any discomfort continues. Eye – Rinse the eye with water immediately. Continue to rinse for about 15 minutes. Get medical attention if any discomfort continues. 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: Provide good ventilation. Carefully collect spilled material in closed containers and leave for disposal according to local regulations. Rinse area with water. Do not let washing-down water contaminate ponds or waterways. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, and extensive land areas. Assure conformity with applicable government regulations.

Waste Disposal Method: Dispose of in accordance with local authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

Precautions to be taken in Handling and Storing: Containers to be kept tightly closed. Store separate from acids and oxidizing materials. Keep away from heat, sparks and open flame. Store at temperature below 122°.

Other Precautions: KEEP AWAY FROM CHILDREN!

SECTION VIII - CONTROL MEASURES

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

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

Protective Gloves: Chemical-resistant gloves required for prolonged or repeated contact.

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