

Product: Quicksilver Biodegradable 2-Cycle Oil

Product #: 92-824496A12, 92-825831A 6, 92-826200A 1, 92-826200A 4, 92-826200A 6, 92-826732A 1, 92-82732A 4, 92-828051A12

SECTION I - MANUFACTURER INFORMATION

Name: Mercury Marine
Address: W6250 W. Pioneer Rd.
 PO Box 1939
 Fond du Lac WI 54936-1939

Emergency: 800-424-9300 (ChemTrec)
Information: 920-929-5418
Date Prepared: 04-30-93
Revised: 05-03-00

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Hazardous Components* | OSHA PEL | ACGIH TLV | Other | % (Opt.) |
|---------------------------------------|----------|-----------|-------|----------|
| Dispersant and Anti-Oxidant (Mixture) | N/A | N/A | | 10 |
| Dye (Mixture) | N/A | N/A | | .10 |
| Mineral Spirits (8052-41-3) | 500ppm | N/A | | 15 |
| Proprietary Additive (Mixture) | N/A | N/A | | 10 |
| Proprietary Ester (Mixture) | N/A | N/A | | 65 |

* Specific Chemical Identity, Common Name (CAS)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Vapor Pressure (mmhg): < 20.0
Vapor Density (Air=1): > 1.0
Solubility in Water: Biodegradable
Appearance and Odor: Blue liquid; mild odor

Specific Gravity (H₂O=1): 0.900
Melting Point: N/D
Evaporation Rate: N/D
(Butyl Acetate=1)
HMIS Rating: H-0 F-2 R-0 P-Section VIII

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 165°F (COC)
Flammable Limits: LEL - 1.0 UEL - 6.0
Extinguishing Media: Carbon Dioxide, dry chemical, foam, water fog
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: Water may cause frothing.

NFPA Rating: H-0 F-2 R-0 S-None

SECTION V - REACTIVITY DATA

Stability: Unstable () Stable (X)
Conditions to Avoid: High heat or flame
Incompatibility (Materials to Avoid): Strong oxidants
Hazardous Decomposition or Byproducts: Carbon Dioxide (Carbon Monoxide under incomplete combustion)
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) Ingestion (Y) Eye (Y)

Health Hazards (Acute and Chronic): Eye - Mild irritant. Skin - Mild irritant. Ingestion - Toxicity is relatively low. There is a risk of aspiration of product into the lungs. On ingestion of large quantities, slight gastrointestinal discomfort, diarrhea, and headache may occur. Small doses may produce irritation and diarrhea. Inhalation - Low risk of inhalation. Mists above TLV may cause chemical pneumonitis.

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: None

Emergency and First Aid Procedures: Eyes - Immediately wash the eyes with large quantities of room temperature water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical attention immediately. Skin - Remove contaminated clothing. Promptly wash the contaminated skin with soap and water for at least 15 minutes. Launder contaminated clothing before reuse. Ingestion - DO NOT INDUCE VOMITING, contains petroleum distillates. Get immediate medical assistance. 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.

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 an 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 clean up, refer to other sections of this MSDS for hazard warning information.

Precautions to be taken in Handling and Storing: Product is a combustible liquid containing petroleum distillates. Keep away from heat and flames. Store below 150°F. Do not apply high heat or flame to container. Keep separate from strong oxidizing agents. Empty containers may contain product residue which could include flammable or explosive vapors.

Other Precautions: KEEP AWAY FROM CHILDREN!

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Normally none required. If high vapor or mist concentrations are expected, use appropriate NIOSH-approved respirator for organic vapors and mists.

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

Mechanical: In confined spaces

Protective Gloves: Oil impervious gloves

Eye Protection: Safety goggles or chemical-splash goggles

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