**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:** 04-09-97  
**Revised:** 09-08-05

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

<table>
<thead>
<tr>
<th>Hazardous Components*</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other</th>
<th>% (Opt.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Benzene (100-41-4)**</td>
<td>100ppm</td>
<td>100ppm</td>
<td></td>
<td>2.9160</td>
</tr>
<tr>
<td>N-Butane (106-97-8)</td>
<td>800ppm</td>
<td>800ppm</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Propane (74-98-6)</td>
<td>N/D</td>
<td>1000ppm</td>
<td></td>
<td>18</td>
</tr>
<tr>
<td>Xylene (1330-20-7)**</td>
<td>100ppm</td>
<td>100ppm</td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>Acetone (67-64-1)</td>
<td>750ppm</td>
<td>750ppm</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>Glycol Ether PM Acetate (108-65-6)</td>
<td>N/E</td>
<td>N/E</td>
<td></td>
<td>7</td>
</tr>
</tbody>
</table>
* Specific Chemical Identity, Common Name (CAS)
**This component is listed as a SARA Section 313 Toxic Chemical.

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Boiling Point: 1° to 302°F</th>
<th>Specific Gravity (H₂O=1): 0.757</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mmhg): 5585.2 @ 20°C</td>
<td>Melting Point: N/D</td>
</tr>
<tr>
<td>Vapor Density (Air=1): 3.70</td>
<td>Evaporation Rate: 7.7</td>
</tr>
<tr>
<td>Solubility in Water: N/D</td>
<td>(Butyl Acetate=1)</td>
</tr>
<tr>
<td>Appearance and Odor: Opaque liquid, solvent odor</td>
<td>HMIS Rating: H-2  F-4  R-0  P-See Section VIII</td>
</tr>
</tbody>
</table>

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<table>
<thead>
<tr>
<th>Flash Point (Method Used): &lt; -25° F (No Method Listed)</th>
<th>NFPA Rating: N/D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Limits: LEL - 1.0</td>
<td>UEL - 13.1</td>
</tr>
<tr>
<td>Extinguishing Media: Carbon dioxide, dry chemical, chemical foam</td>
<td></td>
</tr>
</tbody>
</table>

Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used. Water spray should not be used except to keep down vapors or cool closed containers to prevent buildup of pressure. If water is used, fog nozzles are preferred.

Unusual Fire and Explosion Hazards: Aerosol containers may explode when exposed to extreme heat. Product vapors are heavier than air and may travel a long distance to a source of ignition and flash back. See Section VII Precautions for Safe Handling & Use for additional hazards relating to heat.

**SECTION V - REACTIVITY DATA**

Stability: Unstable ( ) Stable (X)

Conditions to Avoid: Contact with heat, sparks, and open flame.

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition or Byproducts (Thermal): May produce carbon dioxide, carbon monoxide, and unidentifiable organic materials. Product may produce toxic fumes when burned.

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

**ADDITIONAL INFORMATION**

Mercury Marine Emergency Information Number: 920-929-5000
Manufacturer, Raabe Corp., Emergency Number: 262-255-9500
SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic): Liquid or vapor may be irritating to skin, eyes, throat, and lungs.
Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.
Chronic overexposure to a component or components in this material has been found to cause the following effects in laboratory animals: anemia and damage to kidney, eye, liver, lung, spleen and red blood cells. Chronic overexposure has also been suggested as a cause of cardiac abnormalities in humans. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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

All other chemical components: NTP (N) IARC Monographs (Y) OSHA Regulated (N)

Signs and Symptoms of Exposure: Eye - May cause severe irritation. Skin - May cause irritation. Inhalation - Exposure to high concentrations may cause dizziness, breathing difficulty, headaches, or respiratory irritation. Extremely high concentrations may also cause drowsiness, staggering, confusion, unconsciousness, coma, or death. Can cause nasal and respiratory irritation. Ingestion - Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis. Aspiration into the lungs if swallowed or if vomiting occurs can cause chemical pneumonitis which can be fatal.

Medical Conditions Generally Aggravated by Exposure: N/D

Emergency and First Aid Procedures: Eye - Immediately flush with large quantities of water for 15 minutes. If irritation persists, seek medical attention. Skin - Remove contaminated clothing and wash affected area thoroughly with soap and water. Seek medical attention if irritation persists. Launder contaminated clothing before reuse. Inhalation - Move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention. Ingestion - SEEK MEDICAL ATTENTION IMMEDIATELY! The decision to induce vomiting or not must be made by a physician after careful consideration of all materials ingested as this product may contain materials which can cause lung damage is aspirated into the lungs.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Remove all sources of ignition. Ventilate area of spill and adjacent low-lying areas. Avoid breathing solvent vapors. Remove with inert absorbent materials with non-sparking tools. Avoid heat, sparks, flames and anything which could cause fire.

Waste Disposal Method: Place in closed containers. Dispose of product in accordance with federal, state, county, and local regulations.

Precautions to be taken in Handling and Storing: Store in a cool, dry area (<120°F) with ventilation suitable for storing materials shown in Section II. Keep away from heat, sparks, and flame. Store away from direct sunlight or sources of ignition. Wash hands thoroughly after handling.

Other Precautions: KEEP AWAY FROM CHILDREN!

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): A NIOSH/OSHA-approved respirator suitable for components listed in Section II is recommended if workplace exposure limits are to be exceeded.

Ventilation: Local Exhaust & Mechanical - Provide sufficient ventilation, in volume and pattern, to keep air contamination below current applicable PELs and TLVs.

Protective Gloves: Chemical-resistant plastic or rubber

Eye Protection: Chemical goggles with side shields or face shield

Other Protective Clothing or Equipment: Impervious clothing for prolonged or repeated 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

Prop 65 Notice (Ethylbenzene): This product contains chemical(s) which are listed on California’s Proposition 65 list. If the product is to be sold or used in California, a clear and reasonable warning must be provided such as: Warning! This product contains a chemical or chemicals known to the State of California to cause cancer.