Product: Touch-Up Paint - Mariner Silver (Bottle) **Product #:** 92-802878 13

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: 12-17-98

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components*	OSHA PEL	ACGIH TLV	Other	% (Opt.)
Aluminum (7429-90-5)**	N/D	10mg/m^3		3
Ethyl Benzene (100-41-4)**	N/D	100ppm		5
Xylene (1330-20-7)**	100ppm	100ppm		28
Propylene Glycol Methyl Ether Acetate (108-65-6)	N/E	N/E		15
* Specific Chemical Identity, Common Name (CAS)				
**This component is listed as a SARA Section 313 Toxic Chemical.				

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 277° to 302°F
Vapor Pressure (mmhg): 3.7 @ 20°C
Vapor Density (Air=1): N/A
Solubility in Water: N/D
Specific Gravity (H_20=1): 1.007
Melting Point: N/D
Evaporation Rate: .390
(**Butyl Acetate=1)**
Appearance and Odor: Opaque liquid, solvent odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 55°F (No Method Listed)
Flammable Limits: LEL - 1.0 **UEL -** 13.1
Extinguishing Media: Carbon Dioxide, dry chemical, foam
Special Fire Fighting Procedures: Full protective equipment including SCBA 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: Closed 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. When fighting a fire involving aluminum paste, do not use a water stream or halogenated extinguishing agents.

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. Aluminum flake can react violently with halogenated hydrocarbons including halogenated fire extinguishing agents. Aluminum flake can also react with some acids and caustic solutions.
Hazardous Decomposition or Byproducts (Thermal): May produce Carbon Dioxide, Carbon Monoxide, and unidentifiable organic materials.
Hazardous Polymerization: May Occur ( ) **Will Not Occur** (X)

ADDITIONAL INFORMATION

Mercury Marine Emergency Information Number: 920-929-5000
Manufacturer, Raabe Corp., Emergency Number: 414-255-9500

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, and liver. Chronic overexposure has also been found to cause cardiac abnormalities in humans. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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

Signs and Symptoms of Exposure: Eye - 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. Ingestion - Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis. Aspiration into the lungs 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 least 15 minutes. If irritation persists, seek medical attention. Skin - Remove contaminated clothing and wash affected area thoroughly with soap and water. Seek medical attention. Launder contaminated clothing before reuse. Inhalation - Move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention. Ingestion - CONTACT A PHYSICIAN IMMEDIATELY! DO NOT INDUCE VOMITING.

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.

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