

**Product:** 2-Cycle Performance Blend Oil (High-Performance)**Product #:** 92-813743A 4, 92-813743A48**SECTION I - MANUFACTURER INFORMATION**

<b>Name:</b> Mercury Marine	<b>Emergency:</b> 800-424-9300 (ChemTrec)
<b>Address:</b> W6250 W. Pioneer Rd.	<b>Information:</b> 920-929-5418
PO Box 1939	<b>Date Prepared:</b> 01-01-92
Fond du Lac WI 54936-1939	<b>Revised:</b> 08-24-98

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

Hazardous Components*	OSHA PEL	ACGIH TLV	Other	% (Opt.)
Petroleum Oils (64742-62-7, 64741-88-4, 64742-57-0, 64742-63-8)	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>		60-70
Synthetic Oils (Proprietary)	N/E	N/E		15-25
Stoddard Solvent (8052-41-3)	500ppm	100ppm		1-10
Proprietary Additives (Proprietary)	N/E	N/E		1-10

\* Specific Chemical Identity, Common Name (CAS)

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b> 325°F	<b>Specific Gravity (H<sub>2</sub>O=1):</b> 0.89
<b>Vapor Pressure (mmhg):</b> < .01 @ 20°C	<b>Melting Point:</b> N/AV
<b>Vapor Density (Air=1):</b> 5	<b>Evaporation Rate:</b> 0.01
<b>Solubility in Water:</b> N/D	<b>(Butyl Acetate=1)</b>
<b>Appearance and Odor:</b> Green liquid, mild petroleum odor	

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

**Flash Point (Method Used):** 170°F/76°C (COC)

**Flammable Limits:** LEL - 1% UEL - 6%

**Extinguishing Media:** Foam, dry chemical, Carbon Dioxide, water fog, or spray

**Special Fire Fighting Procedures:** Firefighters should wear full emergency equipment and NIOSH-approved, positive self-contained breathing apparatus. Cool exposed containers with water spray or stream.

**Unusual Fire and Explosion Hazards:** Combustible liquid. May form combustible mixtures at temperatures at or above the flashpoint.

**SECTION V - REACTIVITY DATA**

**Stability:** Unstable ( ) Stable (X)

**Conditions to Avoid:** Heat, sparks, and open flames

**Incompatibility (Materials to Avoid):** Strong oxidants agents

**Hazardous Decomposition or Byproducts (Thermal):** Carbon Monoxide, Carbon Dioxide, Sulfur Oxides and Hydrocarbon fragments

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

**ADDITIONAL INFORMATION**

Mercury Marine Emergency Information Number: 920-929-5000

Manufacturer, ILC/Spectro Oils of America, Emergency Number: 203-775-1291

**SECTION VI - HEALTH HAZARD DATA**

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

**Health Hazards (Acute and Chronic):** Acute: See Signs and Symptoms of Exposure. Chronic: Repeated skin contact may cause dermatitis.

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

**Signs and Symptoms of Exposure:** Eye - May cause mild irritation. Skin - Prolonged or repeated contact may cause mild irritation or dryness. Inhalation - Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and central nervous system effects including headache, dizziness, and nausea. Breathing high concentrations of oil mists may cause lipid pneumonia. Ingestion - Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea. Aspiration into the lungs during ingestion or vomiting may cause lipid pneumonia.

**Medical Conditions Generally Aggravated by Exposure:** Individuals with chronic skin diseases may be at increased risk from exposure to this material.

**Emergency and First Aid Procedures:** Eye - Immediately flush eye with water for at least 15 minutes while lifting the upper and lower lids. Get medical attention. Skin - Remove contaminated clothing. Wash affected skin area thoroughly with soap and water. Launder clothing before reuse. Get medical attention if irritation develops. Inhalation - Remove victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, have qualified personnel administer oxygen. Get medical attention. Ingestion - **DO NOT INDUCE VOMITING!** Get immediate medical attention by calling a Poison Control Center or hospital emergency department.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to be Taken in Case Material is Released or Spilled:** Wear appropriate protective equipment. Remove all sources of ignition. Ventilate area. Collect material for disposal using non-combustible absorbent material and place in a container suitable for flammable waste. Report spill as required by local and federal regulations.

**Waste Disposal Method:** Dispose of in accordance with federal, state, and local regulations.

**Precautions to be taken in Handling and Storing:** Protect containers from physical damage. Store in a cool area away from heat, sparks, open flames, and oxidizers. Empty containers retain product residue. Do not cut, weld, braze, etc. on or near empty containers. Wash thoroughly after handling.

**Other Precautions:** **KEEP AWAY FROM CHILDREN!**

**SECTION VIII - CONTROL MEASURES**

**Respiratory Protection (Specify Type):** Normally not needed. If exposure limits are exceeded, use a NIOSH-approved respirator with organic vapor cartridges and a particulate pre-filter (R or P series). For higher concentrations (10 times or greater), a NIOSH-approved supplied air respirator (with escape bottle if required) or self-container breathing apparatus may be required.

**Ventilation: Local Exhaust & Mechanical:** If recommended exposure limit is exceeded, increased mechanical ventilation such as local exhaust may be required.

**Protective Gloves:** Recommend nitrile rubber or other impervious gloves for prolonged/repeated contact

**Eye Protection:** Recommend safety glasses or goggles

**Other Protective Clothing or Equipment:** Recommend impervious apron, boots, and other clothing if needed to avoid prolonged/repeated skin contact. Launder before re-use. Suitable washing facilities should be available.

**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