Product: Power Steering Fluid SAE 0W30
Product #: 92-858001K01, 92-858002K01

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: 01-05-02
Revised:

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components*	OSHA PEL	ACGIH TLV	Other	% (Opt.)
1-Decene homopolymer, hydrogenated (68037-01-4)	N/D	N/D		< 70
Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4)	5mg/m^3	5mg/m^3		< 30
Decanoic acid, ester with 2-ethyl-2-(hydroxymethyl)-1,3-propane diol octanoate (11138-60-6)	N/D	N/D		< 20
Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)	5mg/m^3	5mg/m^3		< 20
Proprietary ingredients (Proprietary Mixture)	N/D	N/D		< 5
Zinc and zinc compounds (68649-42-3)	N/D	N/D		< 1

*Specific Chemical Identity, Common Name (CAS)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/AV
Vapor Pressure (mmhg): < 0.1 @ 20°C
Vapor Density (Air=1): > 1
Solubility in Water: Insoluble in cold water.

Specific Gravity (H_20=1): < 1
Melting Point: N/AV
Evaporation Rate: N/D
(Butyl Acetate=1)

Appearance and Odor: Amber to black liquid, mild petroleum odor
HMIS Rating: H-1 F-2 R-0 P-See Section VIII

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 475°F (Cleveland)
Flammable Limits: **LEL** – N/D **UEL -** N/D

NFPA Rating: H-0 F-2 R-0 P-N/D

Extinguishing Media: Carbon dioxide, dry chemical, foam, or water fog

Special Fire Fighting Procedures: This material can burn but will not readily ignite. This material will release vapors when heated above the flash point temperature that can ignite when exposed to a source of ignition. Firefighters must use full bunker gear including NIOSH-approved, positive-pressure, self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

Unusual Fire and Explosion Hazards: In enclosed spaces, heater vapor can ignite with explosive force. Mists or sprays may burn at temperatures below the flash point.

ADDITIONAL INFORMATION

Mercury Marine Emergency Information Number: 920-929-5000
Manufacturer, Citgo Petroleum Corp., Emergency Number: 800-424-9300 (Chemtrec)

SECTION V - REACTIVITY DATA

Stability: Unstable ( ) **Stable** (X)
Conditions to Avoid: Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions.
Incompatibility (Materials to Avoid): Strong oxidizers
Hazardous Decomposition or Byproducts: Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons, and trace oxides of sulfur, phosphorus, zinc, and/or nitrogen.
Hazardous Polymerization: May Occur ( ) **Will Not Occur** (X)

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation (X) **Skin** (X) **Eye** (X) **Ingestion** (X)
Health Hazards (Acute and Chronic): This product contains a petroleum-based mineral oil. Prolonged or repeated skin contact can cause mild irritation and inflammation characterized by drying, cracking, (dermatitis) or oil acne. Repeated or prolonged inhalation of petroleum-based mineral oil mists at concentrations above applicable workplace exposure levels can cause respiratory irritation or other pulmonary effects.
Carcinogenicity: NTP (N) **IARC Monographs** (N) **OSHA Regulated** (N)
Signs and Symptoms of Exposure: Inhalation – No significant adverse health effects are expected to occur upon short-term exposure. Skin – This product can cause mild, transient skin irritation with short-term exposure. Skin contact with hot material may result in severe burns. Eye – This product can cause transient, mild eye irritation with short-term contact with liquid sprays or mists. Symptoms include stinging, watering, redness, and swelling. Ingestion – If swallowed, this material can cause a laxative effect.
Medical Conditions Generally Aggravated by Exposure: Skin
Emergency and First Aid Procedures: Inhalation – Vaporization is not expected at ambient temperatures. This material is not expected to cause inhalation-related disorders under anticipated conditions of use. In case of overexposure, move the affected person to fresh air. Skin – If burned by hot material, cool skin by quenching with large amounts of cool water. For contact with product at ambient temperatures, remove contaminated shoes and clothing. Wipe off excess material. Wash exposed skin with mild soap and water. Seek medical attention is tissue appears damaged or if pain or irritation persists. Thoroughly clean contaminated clothing before reuse. Discard contaminated leather goods. If material is injected under skin, seek medical attention immediately. Eye – Check for and remove contact lenses. Flush eyes with cool, clean, low-pressure water while occasionally lifting and lowering eyelids. Seek medical attention if excessive tearing, redness, or pain persists. Ingestion- Do not induce vomiting unless directed by a physician. Do not give anything to drink unless directed by a physician. Never give anything by mouth to a persona who is not fully conscious. Seek medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Slipping hazard; do not walk through spilled material. Stop leak if you can do so without risk. **Small Spills:** Absorb or cover with dry earth, sand, or other inert non-combustible absorbent material. Place into waste containers for later disposal. **Large Spills:** Contain to maximize product recovery or disposal. Prevent entry into waterways or sewers. In urban area, clean up spill as soon as possible. In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Absorbent pads and similar materials can be used.
Waste Disposal Method: It is the responsibility of the user to determine if the material is a "hazardous waste" as the time of disposal. Transportation, treatment, storage, and disposal of waste material must be conducted in accordance with RCRA regulations (40 CFR 260 through 40 CFR 271). State and/or local regulations may be more restrictive.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be taken in Handling: Avoid contamination and extreme temperatures to minimize product degradation. Empty contains may contain product residues that can ignite with explosive force. Do not pressurize, cut, weld, braze solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Consult appropriate federal, state, and local authorities before reusing, reconditioning, reclaiming, recycling, or disposing of empty containers and/or waste residues of this product.

Precautions to be taken in Storing: Keep container closed. Do not store with strong oxidizing agents. Do not store at elevated temperatures. Avoid storing product in direct sunlight for extended periods of time. Consult appropriate federal, state, and local authorities before reusing, reconditioning, reclaiming, recycling, or disposing of empty containers and/or waste residues of this product.

Other Precautions: KEEP AWAY FROM CHILDREN!

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with dust/mist/prefilter should be used.

Ventilation: Local Exhaust & Mechanical: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

Protective Gloves: Use gloves constructed of chemical-resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected. Use heat-protective gloves when handling product at elevated temperatures.

Eye Protection: Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. Wear goggles and/or face shield if splashing or spraying is anticipated. Wear goggles and face shield if material is heated above 125°F (51°C). Have suitable eye wash water available.

Other Protective Clothing or Equipment: Personal protective equipment should be selected based upon the conditions under which this material is used. Use clean and impervious protective clothing (e.g. neoprene or Tyvek) if splashing or spraying conditions are present. Protective clothing should include long sleeves, apron, boots, and additional face protection.

Work/Hygiene Practices: Always follow good housekeeping and personal hygiene practices. Launder oil-contaminated clothing before reuse. Contaminated leather goods should be removed promptly and discarded.

N/D = NOT DETERMINED (NO DATA) **N/E = NONE ESTABLISHED** **Y = YES**
N/A = NOT APPLICABLE **N/AV = NOT AVAILABLE** **N = NO**