

SAFETY DATA SHEET-MERCURY SAE 0W30 SYNTHETIC POWER STEERING FLUID

1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.1.1. **MERCURY SAE 0W30 SYNTHETIC POWER STEERING FLUID**

1.2. OTHER MEANS OF IDENTIFICATION: 167-6077K

1.2.1. POWER STEERING FLUID

1.2.2. 92-858076K01; 92-858077K01; 92-858001

1.3. RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE;

1.3.1. PETROLEUM LUBRICATING OIL

1.3.2. NO OTHER USES RECOMMENDED

1.4. NAME, ADDRESS, AND TELEPHONE NUMBER OF THE CHEMICAL MANUFACTURE R, IMPORTER, OR OTHER RESPONSIBLE PARTY:

1.4.1.

Mercury Marine

P.O. Box 1939

Fond du Lac, WI 54935

United States of America

Product Information

General Information: +1 (920) 929-5000

1.5. EMERGENCY PHONE NUMBER:

1.5.1.

Emergency Response

North America: CHEMTREC (800) 424-9300 after 5:00pm CST Or +17035273887

1.6. CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) of §1910.1200:

1.6.1. Eye Irritation Category 2

1.7. Signal Word:

1.7.1. WARNING

1.8. Symbol:

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1.9. Hazard Statements:

1.9.1. Causes serious eye irritation.

1.10. Precautionary Statements:

1.10.1. Prevention:

1.10.1.1. Wash thoroughly after handling.

1.10.1.2. Wear eye protection/face protection.

1.10.2. Response:

1.10.2.1. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

2. Composition/ information on ingredients

2.1. The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200

2.1.1.

COMPONENTS	CAS Number	EU Number	Concentration (%)	Hazard Statements (see Section 16)
Polyalphaolefin	68037-01-4	500-183-1	70-90	H319, H412

3. FIRST AID MEASURES

3.1.

Skin:	Wash with plenty of water, if irritation or rash occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Eye:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell
Ingestion:	If ingested, do not induce vomiting. Call a physician.

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4. FIRE FIGHTING MEASURES

4.1. **Flash Point:** 435°F (223.89°C)

4.2. **Protective Equipment/Fire Fighting Instructions:**

4.2.1. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

4.3. **Extinguishing Media:**

4.3.1. Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

4.4. **Special Firefighting Procedures:**

4.4.1. Cool exposed containers with water spray.

4.5. **Unusual Fire and Explosion Hazards:**

4.5.1. Pressure increase in over heated closed containers. Cool containers with water spray.

5. ACCIDENTAL RELEASE MEASURES

5.1. **Spill Procedures:**

5.1.1. Remove ignition sources. Recover Liquid. Add absorbent to spill area. Ventilate confined spaces. Advise authorities if product enters sewers, etc.

5.2. **Waste Disposal:**

5.2.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site

5.3. **Precautionary Measures:**

5.3.1. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling.

5.3.2. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

6. HANDLING AND STORAGE

6.1. **Handling:**

6.1.1. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum re-conditioner or disposed of properly.

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6.2. Storage:

6.2.1. Keep container closed when not in use. Do not store with strong oxidizing agents. Do not store at elevated temperatures.

7. EXPOSURE CONTROLS/ PERSONAL PROTECTION

7.1. Component Exposure Limits:

7.1.1. POWER STEERING FLUID 5mg/m³ (oil mist) ACGIH TLV OSHA PEL

COMPONENTS	ACGIH TLV	OSHA PEL
Polyalphaolefin	5mg/m ³ (oil mist) TWA	5mg/m ³ (oil mist) TWA

7.2. Engineering Controls:

7.2.1. Ventilate as needed to comply with exposure limit

7.3. Eye Protection:

7.3.1. Use goggles/face shield to avoid eye contact

7.4. Glove Protection:

7.4.1. Use impervious gloves to avoid repeated/prolonged skin contact.

7.5. Work/Hygienic Practices:

7.5.1. If clothing becomes contaminated, change to fresh clean clothing. Do not wear until thoroughly laundered.

8. PHYSICAL AND CHEMICAL PROPERTIES

8.1. Appearance/Odor:	Amber liquid with mild hydrocarbon odor.	8.2. Odor Threshold:	No data available
8.3. pH:	No data available	8.4. Boiling Point:	Wide range
8.5. Melting Point:	No data available	8.6. Solubility (H ₂ O):	Negligible
8.7. Specific Gravity:	0.8545 @ 15.6°C	8.8. Density:	7.115 lbs/gal

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8.9. Octanol/H ₂ O Coeff.:	No data available	8.10. Evaporation Rate (BUAC=1):	<1
8.11. Molecular Weight:	No data available	8.12. Decomposition Temp:	No data available
8.13. Auto Ignition:	No data available	8.14. Lower Flammability Limit:	No data available
8.15. Flash Point:	435°F (223.89°C)	8.16. Upper Flammability Limit:	No data available
8.17. Vapor Density (Air=1):	>1	8.18. Vapor Pressure:	<1mmHg @ 20°C
8.19. VOC:	Nil	8.20. Flammability Class:	Not classified
8.21. Viscosity @ 40°C	61.5cSt (61.5 mm ² /s)	8.22. Viscosity @ 100°C	10.4cSt (10.4 mm ² /s)

9. STABILITY AND REACTIVITY

9.1. Reactivity:

9.1.1. Material does not pose a significant reactivity hazard.

9.2. Chemical Stability:

9.2.1. Stable

9.3. Incompatibility/Conditions to avoid:

9.3.1. Avoid strong oxidants

9.4. Possibility of Hazardous Reactions:

9.4.1. Will not undergo hazardous polymerization.

9.5. Hazardous Decomposition Products:

9.5.1. Partial burning produces fumes, smoke and carbon monoxide, aldehydes, and other products of incomplete combustion.

10. TOXICOLOGY INFORMATION

10.1. Likely Routes of Exposure:

10.1.1. Ingestion, Inhalation, Eye contact, Skin contact.

10.2. Acute Effects:

10.2.1. Inhalation: Expected to be low inhalation hazard.

10.2.2. Eye Contact: May cause eye irritation.

10.2.3. Skin Contact: Expected to be low skin irritation.

10.2.4. Ingestion: Expected to be low ingestion hazard.

10.3. Component Data/ Analysis

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COMPONENTS	Oral (LD50) (Rat)	Inhalation (LC50) (Rat)	Dermal (LD50) (Rabbit)
Polyalphaolefin	No data available	No data available	No data available

10.4. Sensitization:

10.4.1. None known.

10.5. Carcinogenicity:

10.5.1. None greater than 0.1%.

10.6. Mutagenicity:

10.6.1. None known.

10.7. Reproductive Toxicity:

10.7.1. None known.

10.8. Teratogenicity:

10.8.1. None known.

11. ECOLOGICAL INFORMATION

11.1. Ecotoxicity

11.1.1. An environmental fate analysis is not available for this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

11.2. Environmental Fate

11.2.1. Analysis for ecological effects has not been conducted on this product. However, if spilled, this product and any contaminated soil or water may be harmful to human, animal, and aquatic life. Also, the coating action associated with petroleum and petroleum products can be harmful or fatal to aquatic life and waterfowl.

12. DISPOSAL CONSIDERATIONS

12.1. Waste Disposal:

12.1.1. Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved waste site.

13. TRANSPORTATION INFORMATION

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

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13.1. ROAD AND RAIL

13.1.1. DOT: NOT REGULATED

13.2. VESSEL

13.2.1. IMDG: NOT REGULATED

13.3. AIR

13.3.1. IATA: NOT REGULATED

14. REGULATORY INFORMATION

14.1. TSCA Inventory

14.1.1. This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

14.2. SARA 302/304 Emergency Planning and Notification

14.2.1. No components were identified.

14.3. SARA 311/312 Hazard Identification

14.3.1. Acute (Immediate) Health Hazard

14.4. SARA 313 Toxic Chemical Notification and Release Reporting

14.4.1. : This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313

14.5. CERCLA

14.5.1. No components were identified.

14.6. Clean Water Act (CWA)

14.6.1. This material is classified as an oil under Section 311 of the Clean Water Act (CWA) and the Oil Pollution Act of 1990 (OPA). Discharges or spills which produce a visible sheen on waters of the United States, their adjoining shorelines, or into conduits leading to surface waters must be reported to the EPA's National Response Center at (800) 424-8802.

14.7. California Proposition 65:

14.7.1. WARNING: This product contains chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

14.8. New Jersey Right-to-Know Label

14.8.1. Petroleum Oil

14.8.2. <1% Zinc alkyl dithiophosphate

15. OTHER INFORMATION

15.1.

HAZARD RANKINGS			
HMIS		NFPA	
HEALTH HAZARD	1	HEALTH HAZARD	1
FIRE HAZARD	1	FIRE HAZARD	1
PHYSICAL HAZARD	0	INSTABILITY/REACTIVITY	0

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15.2. **Date of preparation:** September 26, 2013

15.3. **Revised:** May 18, 2015

15.4. This product may be formulated with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Mercury Marine must rely on information provided by those materials manufacturers or distributors.

15.5. **MANUFACTURER DISCLAIMER:**

15.5.1. ***The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose***