

SAFETY DATA SHEET

1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.2. QUICKSILVER HYDRAULIC HELM STEERING OIL

1.3. OTHER MEANS OF IDENTIFICATION:

1.3.1. HYD HELM STEERING OIL

1.3.2. MSDS 147-6069

Part Number: 858078Q01

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

1.4.1. PETROLEUM LUBRICATING OIL

1.4.2. NO OTHER USES RECOMMENDED

1.5. NAME, ADDRESS, AND TELEPHONE NUMBER OF THE CHEMICAL MANUFACTURER, IMPORTER, OR OTHER RESPONSIBLE PARTY:

1.5.1.

Mercury Marine

P.O. Box 1939

Fond du Lac, WI 54935

United States of America

Product Information

General Information: +1 (920) 929-5000

1.6. EMERGENCY PHONE NUMBER:

1.6.1.

Emergency Response

North America: CHEMTREC (800) 424-9300 after 5:00pm CST Or +1703 5273887

Health Emergency


USA: (800) 264-6457 or +17316454972

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2. HAZARD(S) IDENTIFICATION

2.1. CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) of §1910.1200;

2.1.1.

	
R22	Harmful if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

2.2. Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

2.2.1. Inhalation: Inhalation of fumes may result in dizziness, headache and respiratory irritation.

2.2.2. Eye Contact: Contact with eyes may cause minimal irritation.

2.2.3. Skin Contact: Mild irritation may occur with prolonged or repeated contact.

2.2.4. Ingestion: Slightly toxic. Pulmonary aspiration hazard if vomiting occurs.

2.3. Hazards not otherwise classified that have been identified during the classification process;

2.3.1. TLV: 5mg/m³ as mist. ACGIH 1984-85.

2.3.2. Chronic Effects: Ingredients of this product are not listed as potential carcinogens in N.T.P. Annual Report on Carcinogens, I.A.R.C. Monographs, or by O.S.H.A. HCS (g) (2) (vii).

3. Composition/ information on ingredients

3.1. 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

3.1.1.

COMPONENTS	CAS Number	EU Number	Concentration (%)	R - Phrase
Distillates, hydrotreated light	64742-47-8	265-149-8	70-90	R65
Highly refined mineral oil (C15 - C50)	Mixture	Mixture	10-20	
2,6-DI-TERT-BUTYLPHENOL	128-39-2	204-884-0	< 1%	R22, R51/53

- * The classification as a carcinogen need not apply the substance contains less than 3 %DMSO extract as measured by IP 346
- ** This substance is not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

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4. FIRST AID MEASURES

4.1.

Skin:	Wash skin with soap and warm water. Wash clothing before re-use.
Eye:	If splashed into eyes flush eyes with clear water for five (5) minutes.
Inhalation:	If overcome by fumes remove from exposure immediately.
Ingestion:	If ingested, do not induce vomiting. Call a physician.

5. FIRE FIGHTING MEASURES

5.1. PROTECTION OF FIRE FIGHTERS:

5.1.1. Fire Fighting Instructions:

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

5.2. Extinguishing Media:

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

5.3. Special Firefighting Procedures:

5.3.1. Cool exposed containers with water spray.

5.4. Unusual Fire and Explosion Hazards:

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

5.5. Hazardous Combustion Products

5.5.1. Smoke, Fume, Incomplete combustion products, Oxides of carbon. Material may contain hydrogen sulfide. Hydrogen Sulfide is a toxic and flammable gas. Oxides of Nitrogen. Oxides of Sulfur. Oxides of Phosphorus

6. ACCIDENTAL RELEASE MEASURES

6.1. Spill Procedures:

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

6.2. Waste Disposal:

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

6.3. Precautionary Measures:

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

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

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7. HANDLING AND STORAGE

7.1. HANDLING

7.1.1. 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 reconditioner or disposed of properly.

7.2. STORAGE

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

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. EXPOSURE LIMIT:

8.1.1. OSHA – 5mg/m³ mist

8.2. Ventilation Procedure:

8.2.1. Ventilate as needed to comply with exposure limit

8.3. Eye Protection:

8.3.1. Use goggles/face shield to avoid eye contact

8.4. Work/Hygienic Practices:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1.

9.1.1. Vapor Pressure (mmHg) at 20°C:	<1
9.1.2. Specific Gravity at 60°F (15.6°C):	0.86-0.9
9.1.3. Water Solubility:	Negligible
9.1.4. Boiling Point:	207.2°C (405°F)
9.1.5. Vapor Density (Air=1):	>1
9.1.6. Evaporation Rate (BUAC=1):	No data available

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9.1.7. Odor:	Mild Petroleum Odor
9.1.8. Appearance:	Red
9.1.9. Viscosity at 100°C	5.5 cSt
9.1.10. Viscosity at 40°C	13.2 cSt
9.1.11. V.O.C.	Undetermined
9.1.12. Flash Point:	359°F / 182°C
9.1.13. Physical State	Liquid

10. STABILITY AND REACTIVITY

- 10.1. **Stability:**
 - 10.1.1. Stable
- 10.2. **Incompatibility:**
 - 10.2.1. Avoid strong oxidants
- 10.3. **Polymerization:**
 - 10.3.1. Will not occur
- 10.4. **Thermal Decomposition:**
 - 10.4.1. Smoke, Fume, Incomplete combustion products, Oxides of carbon. Material may contain hydrogen sulfide. Hydrogen Sulfide is a toxic and flammable gas. Oxides of Nitrogen. Oxides of Sulfur. Oxides of Phosphorus

11. TOXICOLOGY INFORMATION

- 11.1. **Distillates (petroleum), hydrotreated light**
 - 11.1.1. ORAL (LD50): Acute: >5000 mg/kg [Rat].
 - 11.1.2. DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].
 - 11.1.2.1. Studies on laboratory animals have associated similar materials with eye and respiratory tract irritation. Repeated exposure to elevated concentrations of hydrocarbon solvents can produce a variety of transient CNS effects (e.g., dizziness, headache, narcosis, etc). Studies on laboratory animals have shown similar materials to cause skin irritation after repeated or prolonged contact. Repeated direct application of similar materials to the skin can produce defatting dermatitis and kidney damage in laboratory animals. The most common effects observed in repeated dose animal studies with mineral spirits are kidney changes that are consistent with an alpha 2u-globulin-mediated process that is not regarded as relevant to humans. Certain studies have reported effects in the liver as well as hematological or urine chemistry changes. In general, these effects have not to been shown to be dose-related.
- 11.2. **Highly-refined petroleum lubricant oils:**
 - 11.2.1. ORAL (LD50): Acute: >5000 mg/kg [Rat].
 - 11.2.2. DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

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- 11.2.2.1. Mineral oil mists derived from highly refined oils are reported to have low acute and sub-acute toxicities in animals. Effects from single and short-term repeated exposures to high concentrations of mineral oil mists well above applicable workplace exposure levels include lung inflammatory reaction, lipoid granuloma formation and lipoid pneumonia. In acute and sub-acute studies involving exposures to lower concentrations of mineral oil mists at or near current work place exposure levels produced no significant toxicological effects. In long term studies (up to two years) no carcinogenic effects have been reported in any animal species tested.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

- 12.1.1. This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material

12.2. Environmental Fate

- 12.2.1. Ready Biodegradability: This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.

13. DISPOSAL CONSIDERATIONS

13.1. Waste Disposal:

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

14. TRANSPORTATION INFORMATION

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

14.1. DOT: NOT REGULATED

14.2. IMDG: NOT REGULATED

14.3. IATA: NOT REGULATED

15. REGULATORY INFORMATION

15.1. TSCA Inventory

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

15.2. SARA 302/304 Emergency Planning and Notification

- 15.2.1. The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.

15.3. SARA 311/312 Hazard Identification

- 15.3.1. The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to this subpart to submit aggregate information on chemicals by "Hazard Category" as defined in 40 CFR

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370.2. This material would be classified under the following hazard categories: Fire, Acute (Immediate) Health Hazard, Chronic (Delayed) Health Hazard

15.4. SARA 313 Toxic Chemical Notification and Release Reporting

15.4.1. This product contains the following components in concentrations above *de minimis* levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA: No components were identified.

15.5. CERCLA

15.5.1. The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: No components were identified

15.6. Clean Water Act (CWA)

15.6.1. 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.

15.7. California Proposition 65:

15.7.1. No Components listed

15.8. New Jersey Right-to-Know Label

15.8.1. Petroleum Oil.

16. OTHER INFORMATION

16.1. WHMIS CLASSIFICATION: Class B, Division 3: Combustible Liquids

HAZARD RANKINGS			
HMIS		NFPA	
HEALTH HAZARD	2	HEALTH HAZARD	1
FIRE HAZARD	1	FIRE HAZARD	1
REACTIVITY	0	INSTABILITY/REACTIVITY	0
PERSONAL PROTECTION	C		



16.2. **Date of preparation:** 09/11/2013

16.3. MANUFACTURER DISCLAIMER:

16.3.1. ***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***