

SAFETY DATA SHEET-MERCURY HIGH PERFORMANCE GEAR LUBE

1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.1.1. **MERCURY HIGH PERFORMANCE GEAR LUBE**

1.2. OTHER MEANS OF IDENTIFICATION:

1.2.1. HIGH PERFORMANCE GEAR LUBE

1.2.2. 92-858063K01; 92-858064K01; 92-858065K01; 92-858008K01; 92-858064KC1; 92-858065KC1; 92-8M0075303, 92-802851K01

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 (outside US): +1703 5273887

2. HAZARD(S) IDENTIFICATION

2.1. Signal word, hazard statement(s), symbol(s) and precautionary statement(s)

2.1.1. Inhalation: Prolonged inhalation may be harmful. Avoid breathing dust /fume /gas /mist /vapors /spray.

2.1.2. Eye Contact: Eye contact may result in corneal injury. Contact may irritate or burn eyes. Do not get this material in contact with eyes.

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1.1.1. Skin Contact: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Avoid contact with the skin.

1.1.2. Ingestion: Components of the product may be absorbed into the body by ingestion. Do not ingest.

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

1.2.1. TWA: 5mg/m³ as mist. ACGIH 1984-85.

Distillates (petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)	TWA	5 mg/m ³
Antimony, Tris(dipentylcarbamodithioato) (15890-25-2)	TWA	0.5 mg/m ³
Antimony, Tris(dipentylcarbamodithioato) (15890-25-2)	PEL	0.5 mg/m ³
Distillates (petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)	PEL	5 mg/m ³
Distillates (petroleum), Solvent-refined Heavy Paraffinic (64741-88-4)	PEL	5 mg/m ³

1.2.2. 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).

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 (%)
Distillates (petroleum), Hydrotreated Heavy Naphthenic	64742-52-5	265-155-0	0-100
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	265-090-8	0-100
Residual Oils (petroleum), Solvent-refined	64742-01-4	265-101-6	0-100
Antimony, Tris(dipentylcarbamodithioato)	15890-25-2	240-028-2	1-2.5
Other components below reportable levels			2.5-10

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3. FIRST AID MEASURES

3.1.

Skin:	Wash off with warm water and soap. Get medical attention if irritation develops and persists.
Eye:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Inhalation:	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion:	Rinse mouth thoroughly. Do not induce vomiting. If ingestion of a large amount does occur, call a poison control center immediately. Never give liquid to an unconscious person.
Notes to physician	Symptoms may be delayed.
General Advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

4. FIRE FIGHTING MEASURES

4.1. PROTECTION OF FIRE FIGHTERS:

4.1.1. Fire Fighting Instructions:

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

4.2. Extinguishing Media:

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

4.3. Special Firefighting Procedures:

4.3.1. Move containers from fire area if you can do so without risk.

4.4. Unusual Fire and Explosion Hazards:

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

4.5. Hazardous Combustion Products

4.5.1. May include oxides of phosphorus. Carbon monoxide and carbon dioxide

5. ACCIDENTAL RELEASE MEASURES

5.1. Spill Procedures:

5.1.1. Should not be released into the environment. This product is miscible in water

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- 5.1.2. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water
- 5.1.3. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
- 5.1.4. Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.
- 5.1.5. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas.

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. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering them.
- 5.3.2. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling.
- 5.3.3. 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 reconditioner or disposed of properly.

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.
- 6.2.2. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children. Use care in handling/storage

7. EXPOSURE CONTROLS/ PERSONAL PROTECTION

7.1. EXPOSURE LIMIT:

- 7.1.1. OSHA – 5mg/m3 for oil mist

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7.2. Ventilation Procedure:

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. Work/Hygienic Practices:

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

8. PHYSICAL AND CHEMICAL PROPERTIES

8.1.

8.1.1. Vapor Pressure (mmHg) at 20°C:	<1
8.1.2. Specific Gravity at 60°F (15.6°C):	0.9
8.1.3. Water Solubility:	Negligible
8.1.4. Boiling Point:	Not available
8.1.5. Vapor Density (Air=1):	Not available
8.1.6. Evaporation Rate (BUAC=1):	Not available
8.1.7. Odor:	Mild Petroleum Odor
8.1.8. Appearance:	Dark Blue Colored Liquid
8.1.9. Viscosity at 100°C	15 cSt
8.1.10. Viscosity at 40°C	156 cSt
8.1.11. V.O.C.	.02% estimated
8.1.12. Flash Point:	338°F / 170°C
8.1.13. Physical State	Liquid

9. STABILITY AND REACTIVITY

9.1. Stability:

9.1.1. Stable

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9.2. Incompatibility:

9.2.1. Avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point

9.3. Polymerization:

9.3.1. Will not occur

9.4. Thermal Decomposition:

9.4.1. Toxic gas. May include oxides of phosphorus. At thermal decomposition temperatures, carbon monoxide and carbon dioxide

10. TOXICOLOGY INFORMATION

10.1. Mercury High Performance Gear Oil (Mixture)

10.1.1. Acute Dermal LD50 Rabbit: 2125.37 mg/kg estimated

10.1.2. Acute Inhalation LC50 Rat: 8298.22 mg/l estimated

10.1.3. Acute Oral LD50 Rat: 2126.08 mg/kg estimated

10.1.4. Acute Other LD50 Rat: 23170.73 mg/kg estimated

10.2. Antimony, Tris(dipentylcarbomodithioato) (15890-25-2)

10.2.1. Acute Dermal LD50 Rabbit: > 16000 mg/kg

10.2.2. Acute Oral LD50 Rat: > 16000 mg/kg

10.3. Distillates (petroleum), hydrotreated light

10.3.1. ORAL (LD50): Acute: >5000 mg/kg [Rat].

10.3.2. DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

10.3.2.1. 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.

10.4. Highly-refined petroleum lubricant oils:

10.4.1. ORAL (LD50): Acute: >5000 mg/kg [Rat].

10.4.2. DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

10.4.2.1. 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, lipid granuloma formation and lipid 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.

11. ECOLOGICAL INFORMATION

11.1. Ecotoxicity

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11.2. Mercury High Performance Gear Oil (Mixture)

11.2.1. LC50 Fish: 174.59 mg/l 96 hours estimated

11.3. Environmental Fate

11.3.1. Components of this product are hazardous to aquatic life.

11.3.2. Harmful to aquatic organisms. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

11.4. Persistence and degradability

11.4.1. Not available.

12. DISPOSAL CONSIDERATIONS

12.1. Waste Disposal:

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

12.1.2. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

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.

13.1. DOT: NOT REGULATED

13.2. IMDG: NOT REGULATED

13.3. 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. 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.

14.3. SARA 311/312 Hazard Identification

14.3.1. 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 370.2. This material would be classified under the following hazard categories: Fire, Acute (Immediate) Health Hazard, Chronic (Delayed) Health Hazard

14.4. SARA 313 Toxic Chemical Notification and Release Reporting

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14.4.1. 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.

14.5. CERCLA

14.5.1. 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

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:

14.8. No Components listed

14.9. New Jersey Right-to-Know Label

14.9.1. Petroleum Oil.

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
PERSONAL PROTECTION	C		



15.2. Date of preparation: 09/24/2013

15.3. 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.

15.4. MANUFACTURER DISCLAIMER:

15.4.1. *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*