

Mercury Gear Lube – High Performance

Material Safety Data Sheet

Mercury Marine
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MSDS No. 041-4704Q
Revision Date 12/13/2007

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Trade name : Gear Oil.
Identification of the product : Lubricant oil.
Use : See product data sheet for detailed application.
Emergency phone no : CHEMTREC: 800-424-9300 (USA)
Information: : (920) 929-5418
Product Number: 92-858068Q 1, 858068QC1, 858067Q 1, 858067QC1, 858066Q01, 858065Q 1, 858065QC1, 858064Q 1, 858064QC1, 802851Q02, 802851Q 1, 802854Q 1, 802854Q40, 802856Q 1, 802857Q 1, 802858Q 1, 816026, 816026A 2, 816026A 4, 816026A16, 816026A55, 850742A 1, 850743A 1, 850743A40, 858008Q01

2 COMPOSITION / INFORMATION ON INGREDIENTS

Mixture : Mineral oil <3% DMSO Extractables, Additives.

Substance name	Content	CAS No	EC No	Index No	Classification ***
Tris(dipentylidithiocarbamate-S,S') antimony	1 to 5 %	15890-25-2	240-028-2	051-003-00-9	Xn; R20/22 N; R51-53

SARA Section 313 Chemical Listing: See Heading 15.

*** List of relevant R phrases. See Heading 16 : OTHER INFORMATION

3 HAZARDS IDENTIFICATION

Primary route of exposure : Inhalation. Eyes. Ingestion. Skin.
Symptoms relating to use : Symptoms may include dizziness, headache, nausea and loss of co-ordination.

- * **Inhalation** : Harmful by inhalation and if swallowed.
- * **Skin contact** : May produce skin irritation.
May be harmful if absorbed.
- * **Eye contact** : May cause eye irritation.
- * **Ingestion** : Harmful by inhalation and if swallowed.
- * **NFPA - WHMIS Hazard Ratings (USA-Canada)** : Health : 2 - WARNING : May be harmful if inhaled or absorbed.
Flammability : 1 - Combustible if heated.
Reactivity : 0 - Stable : Not reactive when mixed with water.
Special Notice Key : -- - ---

4 FIRST AID MEASURES

First aid measures : If overcome by exposure, remove victim to fresh air immediately. Symptoms may include dizziness, headache, nausea and loss of co-ordination. Seek medical advice (show the label where possible).

- * **Inhalation** : In case of accident by inhalation: remove casualty to fresh air and keep at rest. Call a physician.
- * **Skin contact** : Wash skin thoroughly with mild soap and water. Seek medical attention if ill effect or irritation develops.
- * **Eye contact** : Immediately flush eyes thoroughly with water for at least 15 minutes. Ensure adequate flushing of eyes by separating eyelids with the fingers. Obtain emergency medical attention if pain, blinking, tears or redness persist.

4 FIRST AID MEASURES (continued)

- **Ingestion** : Rinse mouth with water, do not induce vomiting, call a doctor.
- Note to physician** : Treat symptomatically.

5 FIRE-FIGHTING MEASURES

- Flammable class** : Not flammable.
- Hazardous combustion products** : Incomplete combustion may form carbon monoxide, carbon dioxide, gas.
- **Suitable extinguishing media** : Carbon dioxide. Dry powder. Foam.
- **Unsuitable extinguishing media** : Use of heavy stream of water may spread fire.
- Protection against fire** : Use self-contained breathing apparatus when in close proximity to fire.
- Special procedures** : Fight fire from safe distance and protected location.

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Eliminate every possible source of ignition. Ensure adequate ventilation. Ventilate confined spaces before entering. Equip cleanup crew with proper protection.
- Environmental precautions** : Prevent entry to sewers and public waters.
- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it. Take up small spills with dry chemical absorbent. Take up large spills with pump or vacuum. Sweep or shovel spills into appropriate container for disposal. Dispose in a safe manner in accordance with local/national regulations.

7 HANDLING AND STORAGE

- Precautions in handling and storage** : When using, do not eat, drink, or smoke.
- Storage** : Store in dry, cool, well-ventilated area.
Provide adequate ventilation to minimize dust and/or vapour concentrations.
Keep only in the original container.
- Storage - away from** : Strong oxidizers. Heat sources. Sparks. Open flame. Prolonged exposure to sunlight. Combustible material. Keep away from ignition sources including static discharges.
- Handling** : Handle in accordance with good industrial hygiene and safety procedures.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Personal protection** : Ensure adequate ventilation.
 - **Respiratory protection** : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
 - **Hand protection** : For prolonged contact, use nitrile or neoprene gloves or other material resistant to petroleum oils.
 - **Skin protection** : If skin contact or contamination of clothing is likely, protective clothing should be worn.
 - **Eye protection** : Chemical goggles or safety glasses. (ANSI Z-87 approved safety glasses with side shields or equivalent chemical splash goggles.)
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8 EXPOSURE CONTROLS / PERSONAL PROTECTION (continued)

• Ingestion	: When using, do not eat, drink, or smoke.
Industrial hygiene	: Handle in accordance with good industrial hygiene and safety procedures.
Occupational Exposure Limits	: Tris(dipentyldithiocarbamate-S,S')antimony : TLV© -TWA [mg/m ³] : 0.5 (as Antimony compound)

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Liquid.
Colour	: Blue-green.
Odo(u)r	: Mild.
Density	: 898 kg/m ³
Viscosity	: 152 cSt @40°C
Solubility in water	: Negligible.
Solubility in:	: Oil.
Flash point [°C] (ASTM D 93)	: 170 (338°F) PMCC
Explosion limits	: No reliable data available.
Evaporation rate	: No reliable data available.

10 STABILITY AND REACTIVITY

Stability and reactivity	: Stable under normal conditions.
Hazardous decomposition products	: Carbon dioxide, carbon monoxide, & others.
Materials to avoid	: Strong oxidizers.
Conditions to avoid	: Combustible material. Heat. Prolonged exposure to sunlight. Sparks. Open flame. Keep away from ignition sources including static discharges.

11 TOXICOLOGICAL INFORMATION

* Toxicity information	: This product has not been tested for environmental effects.
* • Inhalation	: Harmful by inhalation and if swallowed.
* • Dermal	: May produce skin irritation. May be harmful if absorbed.
* • Ocular	: May cause eye irritation.
* • Ingestion	: Harmful by inhalation and if swallowed.
* Rat oral LD50 [mg/kg]	: Product not tested. No reliable data available.
* Rabbit dermal LD50 [mg/kg]	: Product not tested. No reliable data available.

12 ECOLOGICAL INFORMATION

* Ecological effects information	: Product not tested. No reliable data available. Low mobility (soil). Material insoluble in water.
* Bioaccumulative potential	: Product not tested. No reliable data available.

12 ECOLOGICAL INFORMATION (continued)

- * **Persistence - degradability** : Product not tested. No reliable data available.

13 DISPOSAL CONSIDERATIONS

- General** : Dispose in a safe manner in accordance with local/national regulations.
- Disposal method** : Material, as supplied, is not a U.S. EPA hazardous waste. Some states may regulate the disposal of petroleum and petroleum products. DO NOT INCINERATE AEROSOL CANS. Processing, use, or contamination may make this information inaccurate or incomplete.

14 TRANSPORT INFORMATION

- DOT (USA)** : Not regulated.

15 REGULATORY INFORMATION

- * **EC Classification** : Xn; R20/22
- * **EC Labelling**
- * • **Symbol(s)** : Xn : Harmful
- * • **R Phrase(s)** : R20/22 - Harmful by inhalation and if swallowed.
- Other** : Certified Kosher by Tablet K.
Customers are reminded to check their state list of hazardous chemicals for proper disclosure and reporting of chemical substances.
- * **SARA TITLE III Section 311/312** : Product not tested.
Acute: Not tested.
Chronic: Not tested.
Fire: No
Reactivity: No
Pressure: No
- SARA TITLE III Section 313** : Antimony Compound, N010: 1-5%
- * **New Jersey Right-To-Know** : Antimony Compound, N010
- US Toxic Substances Control Act - TSCA** : All components of this product are listed on the TSCA inventory or otherwise comply with TSCA premanufacture notification requirements.
- * **State of California** : WARNING: This product contains chemicals known to the State of California to cause cancer. • Ethylbenzene CAS 100-41-4
• 1,4-Dioxane CAS 123-91-1

16 OTHER INFORMATION

- Recommended uses and restrictions** : See product data sheet for detailed application. Contact the producer or distributor.
- List of relevant R phrases (heading 3)* : R20/22 - Harmful by inhalation and if swallowed.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- NOTE** : December 13, 2007: Revised (*)

16 OTHER INFORMATION (continued)

Revision : 2
Print date : 12 / 13 / 2007
Manufacturer : Bel-Ray Company, Inc.
: P.O. Box 526, Farmingdale NJ 07727

Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out. Details given in this document are believed to be correct at the time of going to press. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

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