

SAFETY DATA SHEET-MERCURY QUICKARE FUEL SYSTEM TREATMENT

1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.1.1. **MERCURY QUICKARE FUEL SYSTEM TREATMENT**

1.2. OTHER MEANS OF IDENTIFICATION: 230-6141K

1.2.1. QUICKARE FUEL SYSTEM TREATMENT

1.2.2. 92-8M0058710; 92-8M0058690; 92-8M0048210; 92-8M0047930

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 MANUFACTURER, 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

Distributor: Spectrum Lubricants Corporation (800) 264-6457 or +1(731) 645-4972

1.5. EMERGENCY PHONE NUMBER:

1.5.1.

Emergency Response

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

2. HAZARD(S) IDENTIFICATION

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

2.1.1. Acute Inhalation Category 4

2.2. Signal Word:

2.2.1. Warning

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2.3.

2.4. Hazard Statements:

- 2.4.1. Causes skin irritation
- 2.4.2. Causes serious eye irritation
- 2.4.3. Suspected of causing cancer
- 2.4.4. May be fatal if swallowed and enters airways
- 2.4.5. Flammable liquid and vapor

2.5. Precautionary Statements:

2.5.1. Prevention:

- 2.5.1.1. Obtain special instructions before use
- 2.5.1.2. Do not handle until all safety precautions have been read and understood
- 2.5.1.3. Use personal protective equipment as required
- 2.5.1.4. Wash face, hands and any exposed skin thoroughly after handling
- 2.5.1.5. Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- 2.5.1.6. Keep container tightly closed
- 2.5.1.7. Ground/Bond container and receiving equipment
- 2.5.1.8. Use explosion-proof electrical/ventilating/lighting/equipment
- 2.5.1.9. Use only non-sparking tools
- 2.5.1.10. Take precautionary measures against static discharge

2.5.2. Response:

- 2.5.2.1. If exposed or concerned: Get medical advice/attention
- 2.5.2.2. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- 2.5.2.3. If eye irritation persists: Get medical advice/attention
- 2.5.2.4. If skin irritation occurs: Get medical advice/attention
- 2.5.2.5. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- 2.5.2.6. Wash contaminated clothing before reuse
- 2.5.2.7. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
- 2.5.2.8. Do NOT induce vomiting
- 2.5.2.9. In case of fire: Use CO₂, dry chemical, or foam for extinction

2.5.3. Storage:

- 2.5.3.1. Store locked up.
- 2.5.3.2. Store in a well-ventilated place. Keep cool.

2.5.4. Disposal:

- 2.5.4.1. Dispose of contents/container to an approved waste disposal plant.

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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 (%)
Petroleum distillates, hydrotreated light	64742-47-8	265-149-8	70-80
Ethylene glycol monobutyl ether	111-76-2	203-905-0	10-20
Polyolefin alkyl phenol alkyl amine	Proprietary	Proprietary	1-5
AROMATIC PETROLEUM DISTILLATES	64742-95-6	265-199-0	1-5
1,2,4-Trimethylbenzene	95-63-6	202-436-9	1-5
Substituted phenol	Proprietary	Proprietary	1-5
CUMENE	98-82-8	202-704-5	<1

4. FIRST AID MEASURES

4.1. Eye Contact:

4.1.1. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.

4.2. Ingestion:

4.2.1. Gently wipe or rinse the inside of the mouth with water. Never give fluids if the victim is unconscious or having convulsions. Do NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Call a physician or poison control center immediately.

4.3. Skin Contact:

4.3.1. Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Call a physician if irritation develops or persists. Wash contaminated clothing before reuse.

4.4. Inhalation:

4.4.1. If not breathing, give artificial respiration. Move victim to fresh air. Seek immediate medical attention/advice.

4.5. Note to Physician:

4.5.1. There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

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5. FIRE FIGHTING MEASURES

5.1. **Flash Point:** 111°F (44°C)

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

5.2.1. Evacuate personnel to safe areas. Move non-burning material, as feasible, to a safe location as soon as possible. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out. Thoroughly decontaminate all protective equipment after use. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished.

5.3. **Extinguishing Media:**

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

5.4. **Special Firefighting Procedures:**

5.4.1. Cool exposed containers with water spray.

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

5.5.1. Thermal decomposition can lead to release of irritating gases and vapors. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks)

5.5.2. Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

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.

6.3.3. Ground and bond containers when transferring material.

6.3.4. Take precautionary measures against static discharges.

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7. HANDLING AND STORAGE

7.1. Handling:

7.1.1. Keep container closed and upright when not in use. To prevent generation of static discharges, use bonding/grounding connection when transferring material. Vapors may accumulate and travel to distant ignition sources and flashback. Extinguish all sources of ignition including pilot lights, non-explosion proof motors and electrical equipment until vapors dissipate. Since empty containers may retain product residue and flammable, observe precautions even after container is emptied. Do not cut, puncture, or weld on or near empty containers. Do not smoke where product is used or stored. Avoid contact with eyes, skin or clothing. Avoid inhalation (vapor, mist, dust or fume). Use only with adequate ventilation. Observe good personal hygiene practices and recommended procedures. Wash Thoroughly after handling.

7.2. Storage:

7.2.1. Store in areas/buildings designed to comply with OSHA 1910.106. Store away from sources of ignition and heat. Keep containers closed when not in use. Store in cool, well ventilated space away from incompatible materials.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
Distillates, petroleum, hydrotreated light 64742-47-8	-	-	TWA: 200 mg/m ³ Skin			
ETHANOL, 2-BUTOXY- 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ S*	TWA: 20 ppm	TWA: 20 ppm TWA: 97 mg/m ³	TWA: 20 ppm TWA: 97 mg/m ³	TWA: 20 ppm
CUMENE 98-82-8	TWA: 50 ppm	TWA: 50 ppm TWA: 245 mg/m ³ S*	TWA: 25 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 246 mg/m ³	TWA: 50 ppm TWA: 246 mg/m ³	TWA: 50 ppm

8.2. Engineering Measures:

8.2.1. Use adequate ventilation to maintain airborne concentrations at levels below permissible or recommended occupational exposure limits

8.3. Eye/Face Protection:

8.3.1. Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to splashing or spraying of material.

8.4. Skin Protection:

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8.4.1. Wear impervious gloves and/or clothing if needed to prevent contact with the material.
Rubber/latex/neoprene or other suitable chemical resistant gloves. Remove and wash contaminated clothing before re-use. Cotton-blend coveralls.

8.5. Respiratory Protection:

8.5.1. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

8.6. General Hygiene Considerations

8.6.1. Facilities utilizing this material should be equipped with an eyewash station and safety shower.
Thoroughly clean shoes and wash contaminated clothes before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Appearance/Odor:	Clear various colored liquid with hydrocarbon odor.	9.2. Odor Threshold:	No data available
9.3. pH:	No data available	9.4. Boiling Point:	No data available
9.5. Melting Point:	No data available	9.6. Solubility (H₂O):	No data available
9.7. Specific Gravity:	0.805 @ 15.6°C	9.8. Density:	6.7 lbs/gal
9.9. Octanol/H₂O Coeff.:	No data available	9.10. Evaporation Rate (BUAC=1):	<1
9.11. Molecular Weight:	No data available	9.12. Decomposition Temp:	No data available
9.13. Auto Ignition:	No data available	9.14. Lower Flammability Limit:	No data available
9.15. Flash Point:	111°F (44°C)	9.16. Upper Flammability Limit:	No data available
9.17. Vapor Density (Air=1):	No data available	9.18. Vapor Pressure:	No data available
9.19. VOC:	< 3.0 g/L (E1868-10A)	9.20. Flammability Class:	Flammable liquid
9.21. Viscosity @ 40°C	<20cSt (<20 mm ² /s)	9.22. Viscosity @ 100°C	No data available

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10. STABILITY AND REACTIVITY

10.1. Stability:

10.1.1. Material is stable under normal conditions.

10.2. Incompatibility:

10.2.1. None known based on information supplied.

10.3. Hazardous polymerization:

10.3.1. Will not occur.

10.4. Thermal decomposition:

10.4.1. None under normal use conditions. Thermal decomposition can lead to release of irritating gases and vapors.

10.5. Conditions to Avoid:

10.5.1. Keep away from heat, sparks and flames.

11. TOXICOLOGY INFORMATION

11.1. Likely Routes of Exposure:

11.1.1. Ingestion, Inhalation, Eye contact, Skin contact.

11.2. Acute Effects:

11.2.1. Inhalation: Expected to be low inhalation hazard.

11.2.2. Eye Contact: Causes serious eye irritation.

11.2.3. Skin Contact: Causes skin irritation.

11.2.4. Ingestion: May be fatal if swallowed and enters airways.

11.3. Component Data/ Analysis

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates, petroleum, hydrotreated light 64742-47-8	5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
ETHANOL, 2-BUTOXY- 111-76-2	470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
AROMATIC PETROLEUM DISTILLATES 64742-95-6	-	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
1,2,4-Trimethylbenzene 95-63-6	3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m ³ (Rat) 4 h
CUMENE 98-82-8	1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	> 3577 ppm (Rat) 6 h

11.4. Sensitization:

11.4.1. None known.

11.5. Carcinogenicity:

11.5.1. Suspected of causing cancer.

Component	ACGIH	IARC	NTP	OSHA
ETHANOL, 2-BUTOXY- 111-76-2 (10 - 20)	A3	Group 3	-	

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CUMENE 98-82-8 (< 1)	-	Group 2B	Reasonably Anticipated	
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11.6. Mutagenicity:

11.6.1. None known.

11.7. Reproductive Toxicity:

11.7.1. None known.

11.8. Teratogenicity:

11.8.1. None known.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

12.1.1. 5.327769 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Distillates, petroleum, hydrotreated light 64742-47-8	-	LC50: 96 h Pimephales promelas 45 mg/L flow-through LC50: 96 h Lepomis macrochirus 2.2 mg/L static LC50: 96 h Oncorhynchus mykiss 2.4 mg/L static	-
ETHANOL, 2-BUTOXY- 111-76-2	-	LC50: 96 h Lepomis macrochirus 1490 mg/L static LC50: 96 h Lepomis macrochirus 2950 mg/L	EC50: 48 h Daphnia magna 1000 mg/L
AROMATIC PETROLEUM DISTILLATES 64742-95-6	-	LC50: 96 h Oncorhynchus mykiss 9.22 mg/L	EC50: 48 h Daphnia magna 6.14 mg/L
1,2,4-Trimethylbenzene 95-63-6	-	LC50: 96 h Pimephales promelas 7.19 - 8.28 mg/L flow-through	EC50: 48 h Daphnia magna 6.14 mg/L
CUMENE 98-82-8	EC50: 72 h Pseudokirchneriella subcapitata 2.6 mg/L	LC50: 96 h Pimephales promelas 6.04 - 6.61 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 4.8 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 2.7 mg/L semi-static LC50: 96 h Poecilia reticulata 5.1 mg/L semi-static	EC50: 48 h Daphnia magna 0.6 mg/L EC50: 48 h Daphnia magna 7.9 - 14.1 mg/L Static

12.2. Persistence and degradability:

12.2.1. No information available.

12.3. Bioaccumulative Potential:

Chemical Name	log Pow
ETHANOL, 2-BUTOXY- 111-76-2	0.81
1,2,4-Trimethylbenzene 95-63-6	3.63
CUMENE 98-82-8	3.55

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13. DISPOSAL CONSIDERATIONS

13.1. Waste Disposal:

- 13.1.1. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

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. ROAD AND RAIL

- 14.1.1. This product is not regulated by the U.S. DOT when shipped by ground in containers <119 gallons
- 14.1.2. **DOT Hazard Class:** 3
- 14.1.3. **DOT Proper Shipping Name:** Combustible liquid, n.o.s. (petroleum distillates, 2-Butoxyethanol) for containers >119 gal.
- 14.1.4. **DOT Packing Group:** III
- 14.1.5. **DOT UN Number:** NA1993

14.2. Air

- 14.2.1. **IATA Hazard Class:** 3
- 14.2.2. **IATA Proper Shipping Name:** Flammable liquid, n.o.s. (petroleum distillates)
- 14.2.3. **IATA Packing Group:** III
- 14.2.4. **IATA UN Number:** UN1993

14.3. Vessel

- 14.3.1. **IMDG Hazard Class:** 3
- 14.3.2. **IMDG Proper Shipping Name:** Flammable liquid, n.o.s. (petroleum distillates)
- 14.3.3. **IMDG Packing Group:** III
- 14.3.4. **IMDG UN Number:** UN1993

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. Not available.

15.3. SARA 311/312 Hazard Identification

- 15.3.1. Acute (Immediate) Health Hazard

15.4. SARA 313 Toxic Chemical Notification and Release Reporting

- 15.4.1. ETHANOL, 2-BUTOXY- CAS# 111-76-2
- 15.4.2. 1,2,4-Trimethylbenzene CAS# 95-63-6

15.5. CERCLA

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

Chemical Name	California Prop. 65
CUMENE - 98-82-8	Carcinogen
NAPHTHALENE - 91-20-3	Carcinogen
Acetaldehyde - 75-07-0	Carcinogen
Propylene Oxide - 75-56-9	Carcinogen
Ethylbenzene - 100-41-4	Carcinogen
TOLUENE - 108-88-3	Developmental Female Reproductive
Furan - 110-00-9	Carcinogen
Benzene - 71-43-2	Carcinogen Developmental Male Reproductive

15.8. New Jersey Right-to-Know Label

15.8.1. Petroleum Oil

16. OTHER INFORMATION

16.1.

HAZARD RANKINGS			
HMIS Health	2	NFPA Health	2
HMIS Flammability	2	NFPA Flammability	2
HMIS Physical Hazard	0	NFPA Instability/Reactivity	0

16.2. **Date of preparation:** September 18, 2013

16.3. **Revised:** May 12, 2015

16.4. 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.

16.5. MANUFACTURER DISCLAIMER:

16.5.1. ***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***