

Mercury Marine  
W6250 Pioneer Rd.  
PO Box 1939  
Fond du Lac, WI 54935

# MATERIAL SAFETY DATA SHEET

## MARINE LUBRICANT WITH TEFLON

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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**TRADE NAME** Quicksilver 2-4-C Marine Lubricant with Teflon

**PART No.** 92-802859Q 1, 92-802861Q 1, 92-802863Q 1, 92-825407 14, 92-825407A 3, 92-825407A 4, 92-825407A12, 92-850736A 1  
(This product is included in these kits 91-30500, 91-30500A 1, 91-30500A 2, 91-30500Q 5 and 91-74057, 91-74057A 3, 91-74057Q 4, 91-74057Q 5, 91-74057Q 6)

**PRODUCT USE** Lubricating Grease

**INFORMATION TELEPHONE** (920) 929-5000

**EMERGENCY TELEPHONE** ChemTrec (U.S. Only) (800) 535-5053

**Date of last issue** 08/10/2006

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### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

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INGREDIENT NAME	CAS No.	WEIGHT
LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)	Mixture	70-85 %
*OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT	7620-77-1	7-13 %
ETHENE, TETRAFLUORO-, HOMOPOLYMER (COMMON NAME: POLYTETRAFLUOROETHYLENE)	9002-84-0	1-5 %
*PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS (TYPE B)	68649-42-3B	1-4 %

\* This chemical(s) is hazardous according to OSHA/WHIMIS criteria

**COMPOSITION COMMENTS** Refer to section eight for exposure limits on ingredients.  
Chemical ingredients not regulated by OSHA or SARA are treated confidentially.

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### 3. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW

Not regarded as a health hazard under current legislation. Exposure to vapors generated at high temperatures may cause respiratory irritation.

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<b>SENSITIZATION</b>	No known information.
<b>CARCINOGENICITY</b>	IARC: Not listed as a Group 1, 2A, or 2B agent. OSHA: Not regulated. NTP: Not listed.
<b>TERATOGENICITY</b>	No known information.
<b>HEALTH WARNINGS</b>	SKIN CONTACT. Repeated or prolonged contact can result in drying of the skin. EYE CONTACT. Irritating. INGESTION. Can cause stomach ache and vomiting. INHALATION. Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product.
<b>ROUTE OF ENTRY</b>	Inhalation. Skin and/or eye contact. Ingestion.

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#### 4. FIRST AID MEASURES

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<b>INHALATION</b>	Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.
<b>EYES</b>	Rinse with water. Contact physician if discomfort continues.
<b>SKIN</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>INGESTION</b>	DO NOT INDUCE VOMITING! Get medical attention immediately!

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#### 5. FIRE FIGHTING MEASURES

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<b>FLASH POINT (°C)</b>	224 (435°F) Cd OC (Cleveland open cup).
<b>FLAMMABILITY LIMIT - LOWER(%)</b>	N/D
<b>FLAMMABILITY LIMIT - UPPER(%)</b>	N/D
<b>EXTINGUISHING MEDIA</b>	Use: Foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Keep run-off water out of sewers and water sources. Dike for water control.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS</b>	Volume and pressure increases strongly when heated. Risk of container explosion in fire. Explosion risk when heated. Aerosol cans may explode in case of fire.
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	Acrid smoke/fumes. Hydrogen fluoride (HF). Oxides of: Carbon. Phosphorus. Sulfur.

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#### 6. ACCIDENTAL RELEASE MEASURES

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<b>PERSONAL PRECAUTIONS</b>	Minimize skin contact. Avoid breathing vapors. Wear an appropriate respirator if exposure exceeds recommended guidelines. Remove sources of ignition.
<b>PRECAUTIONS TO PROTECT THE ENVIRONMENT</b>	Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.
<b>SPILL CLEAN-UP PROCEDURES</b>	Carefully collect spilled material in closed containers and leave for disposal

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according to local regulations. Provide good ventilation. Use appropriate protective clothing. Rinse area with water. Do not let washing down water contaminate ponds or waterways.

## 7. HANDLING AND STORAGE

<b>HANDLING PRECAUTIONS</b>	Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Containers to be kept tightly closed. Eye wash and emergency shower must be available at the work place.
<b>STORAGE PRECAUTIONS</b>	Keep away from heat, sparks and open flame. Store separated from: Oxidizing materials. Acids.
<b>STORAGE CRITERIA</b>	Chemical storage.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENT	STD	TWA	STEL	TWA	STEL
LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)	OSHA			5 mg/m <sup>3</sup> (oil mist)	
	ACGIH			5 mg/m <sup>3</sup> (oil mist)	10 mg/m <sup>3</sup> (oil mist)

### PROTECTIVE EQUIPMENT



<b>ENGINEERING CONTROLS</b>	Use engineering controls to reduce air contamination to permissible exposure level.
<b>VENTILATION</b>	No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.
<b>RESPIRATORS</b>	No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.
<b>PROTECTIVE GLOVES</b>	Chemical resistant gloves required for prolonged or repeated contact.
<b>EYE PROTECTION</b>	Wear splash-proof eye goggles to prevent any possibility of eye contact.
<b>PROTECTIVE CLOTHING</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>HYGIENIC WORK PRACTICES</b>	Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE/PHYSICAL STATE</b>	Grease.
<b>COLOR</b>	Amber.

<b>ODOR</b>	Mild (or faint). Petroleum.		
<b>SOLUBILITY DESCRIPTION</b>	Insoluble in water.		
<b>DENSITY</b>	0.90	<b>Temperature (°C)</b>	15.6 (60°F)
<b>VAPOR DENSITY (air=1)</b>	> 5		
<b>VAPOR PRESSURE</b>	< 0.1 mmHg	<b>Temperature (°C)</b>	20 (68°F)
<b>EVAPORATION RATE</b>	< 1	<b>Reference</b>	BuAc=1
<b>pH-VALUE, CONC. SOLUTION</b>	N/A		

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## 10. STABILITY AND REACTIVITY

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<b>STABILITY</b>	Normally stable.
<b>CONDITIONS TO AVOID</b>	Avoid contact with acids and oxidizing substances.
<b>HAZARDOUS POLYMERIZATION</b>	Will not polymerize.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Hydrogen fluoride (HF). Oxides of: Carbon. Phosphorus. Sulfur.

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## 11. TOXICOLOGICAL INFORMATION

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**TOXICOLOGICAL INFORMATION** No experimental toxicological data on the preparation as such is available.

**COMPONENT** LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED\*\*(2)

**TOXICOLOGICAL DATA** Carcinogenicity . IP 346 <3%  
**TOXIC DOSE - LD 50** > 5000 mg/kg (oral rat)  
**TOXIC DOSE - LD 50 SKIN** > 2000 mg/kg (skn rbt)  
**TOXIC CONC. - LC 50** N/A.

**COMPONENT** OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT

**TOXIC DOSE - LD 50** N/A.  
**TOXIC CONC. - LC 50** N/A.

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## 12. ECOLOGICAL INFORMATION

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**ECOLOGICAL INFORMATION** No data on possible environmental effects have been found.

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## 13. DISPOSAL CONSIDERATIONS

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**DISPOSAL METHODS** Dispose of in accordance with Local Authority requirements.

## 14. TRANSPORT INFORMATION

**DOT HAZARD CLASS** Not regulated.

**TDGR CLASS** Not Regulated.

**SEA TRANSPORT NOTES** Not regulated per IMDG.

**AIR TRANSPORT NOTES** Not regulated per IATA.

## 15. REGULATORY INFORMATION

### US FEDERAL REGULATIONS

COMPONENT	SARA 302	CERCLA	SARA 313
LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)	No	No	No
OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT	No	No	No
ETHENE, TETRAFLUORO-, HOMOPOLYMER (COMMON NAME: POLYTETRAFLUOROETHYLENE)	No	No	No
PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS (TYPE B)	No	***	N982 - Zn

### REGULATORY STATUS

\*\*\* Indicates that no RQ is assigned to this generic or broad class, although the class is a CERCLA hazardous substance. See 50 Federal Register 13456 (April 4, 1985). Values in Section 313 column represent Category Codes for reporting under Section 313.

### CLEAN AIR ACT

**SARA HAZARD CATEGORIES** None

### US STATE REGULATIONS

COMPONENT	CA	MA	FL	MN	NJ	PA	RI
LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)					Yes	Yes	
PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS (TYPE B)				Yes	Yes	EH	

### STATE REGULATORY STATUS

**CALIFORNIA PROPOSITION 65:** This product may contain the following chemical(s) considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required:

1-Naphthylamine, CAS # 134-32-7, <1ppm

2-Naphthylamine, CAS # 91-59-8, <1ppm.

Cadmium <1ppm

Arsenic <1ppm

Lead <1ppm

**PENNSYLVANIA RIGHT-TO-KNOW:** This product contains the following chemicals that the state of Pennsylvania has identified as Special Hazardous Substances (SHS),

Environmental Hazards (EH), or both (ESHS). The PA regulations require that the MSDS identify all SHS or EH chemicals by chemical name, common name, and CAS Number if they comprise 0.01% or more.  
 Zinc compounds regulated under CERCLA and SARA 313, Environmental Hazard

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**CONTROLLED PRODUCT CLASSIFICATION**

Not a controlled product.

COMPONENT	GLOBAL INVENTORIES								
	CAN	US	EU	AUS	JAP	KOR	PHLP	CHN	
LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes	
OCTADECANOIC ACID, 12-HYDROXY-, MONOLITHIUM SALT	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes	
ETHENE, TETRAFLUORO-, HOMOPOLYMER (COMMON NAME: POLYTETRAFLUOROETHYLENE)	DSL	Yes	Polymer	Yes	Yes	Yes	Yes	Yes	
PHOSPHORODITHIOIC ACID, O,O-DI-C1-14-ALKYL ESTERS, ZINC SALTS (TYPE B)	NPRI	Yes	EINECS	Yes	Yes	Yes	Yes	Yes	

CANADA CEPA: All components of this product comply with new substance notification requirements under the Canadian Environmental Protection Act (CEPA).

**16. OTHER INFORMATION**

**NFPA-HMIS HAZARD RATING**

<b>HEALTH</b>	Irritation, minor residual injury (1) - HMIS/NFPA
<b>FLAMMABILITY</b>	Burns only if pre-heated (1) - HMIS/NFPA
<b>REACTIVITY</b>	Normally Stable (0) - HMIS/NFPA
<b>PERSONAL PROTECTION INDEX</b>	B - Safety Eyewear and Gloves
<b>REVISION COMMENTS</b>	Section 2: Ingredients Section 15: Inventory Status Section 15: US Regulatory Status.
<b>PREPARED BY</b>	Heather Holich
<b>Replacement MSDS of</b>	2002-12-16
<b>DATE</b>	2006-08-10
<b>PRINTING DATE:</b>	2006-08-10
<b>DISCLAIMER</b>	While the information and recommendations set forth herein are believed to be accurate as of the date thereof, the company makes no warranty with respect thereto and disclaims all liability from reliance therein.

MFR: Chemtool Incorporated, P.O. Box 538, 8200 Ridgefield Road, Crystal Lake, IL 60039-0538 USA

\* Information revised since previous MSDS version

