



MATERIAL SAFETY DATA SHEET

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1-613-996-6666 – CANUTEC – Transportation Emergency
1-888-243-9771 – ChExSS – Chemical Exposure

Q-LUBE

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: Q-LUBE
Chemical Family: Sulphated vegetable oil
WHMIS Classification: Not controlled
Workplace Hazard: Mild irritant

Product Use: Drilling fluid additive
TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Rat/Oral)	LC ₅₀ (Rat/Inh)
Contains no WHMIS controlled documents				

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: Not expected to be a primary skin irritant or toxic by skin contact. However prolonged contact or poor industrial hygiene may cause mild irritation. Contact with liquid or mists may cause mild irritation to the eyes. Under normal industrial use, ingestion is not considered to be a probable route of exposure.

Effects of chronic exposure: Not determined

Exposure limits: Not determined

Irritancy of product: Mild irritant

Sensitization to product: Not determined

Carcinogenicity: Not determined

Reproductive toxicity: Not determined

Teratogenicity: Not determined

Mutagenicity: Not determined

Name of toxicological synergistic products: Not determined



SECTION IV: FIRST AID MEASURES

Skin contact: Wash thoroughly with soap and water; remove contaminated clothing and footwear. Wash contaminated clothing before reuse. Seek medical attention if irritation should develop

Eye contact: Flush at once with large amounts of water for at least 15 minutes holding eyelids open. Seek medical attention if irritation develops.

Inhalation: Remove to fresh air. Rest in half-upright position. Seek medical attention if necessary.

Ingestion: Do not induce vomiting. If conscious give 1-2 glasses of water. Seek medical attention. Never give anything by mouth to an unconscious person.

SECTION V: PHYSICAL DATA

Physical state: Liquid

Appearance and odour: Clear amber liquid. Fatty odour

Odour threshold: Not determined

Specific gravity: 1.02

Vapor pressure (mmHG): Not available

Vapor density (Air=1): Not available

Evaporation rate: Not available

Boiling point (°C): Not available

Freeze/Melting point (°C): Not available

pH: 6.8 (2% solution)

Co-efficient of water/oil distribution: 25% soluble in water



SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Not available

Means of extinguishing: Water spray, dry chemical, or carbon dioxide

Flash point: >93 ° (PMCC)

Upper flammable limit: Not available

Lower flammable limit: Not available

Auto-ignition temperature: Not applicable

Hazardous combustion products: Excessive heat, sources of ignition, formation of oil mist CO_x, SO_x smoke on combustion

Explosion data-sensitivity to mechanical impact: Not applicable

Explosion data-sensitivity to static discharge: Not applicable

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable.

Product incompatible with: Strong oxidizers

Conditions of reactivity: None known

Hazardous decomposition products: CO_x, SO_x on combustion



SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: No respiratory protection required under normal conditions of use. Chemically resistant protective gloves and safety glasses with side shields recommended.

Specific engineering controls: General mechanical ventilation.

Procedures for leak/spills: (Use appropriate safety equipment.) For small spills soak up with absorbent material. For large spills dike to contain spill to prevent water pollution. Recover diked material; return recovered material to plant.

Waste disposal: Dispose to conform to local disposal regulations. It is the responsibility of the user of this product to determine at the time of disposal whether the product meets criteria for hazardous waste. The absorbed material with absorbent must be incinerated or disposed of in accordance with local regulations.

Handling procedures and equipment: Avoid prolonged and repeated skin and eye contact. Wear proper PPE. Avoid breathing mists or vapours. Use in well ventilated areas. Wash thoroughly after handling.

Storage requirements: Keep containers closed when not in use. Keep from freezing.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: August 1, 2007

Prepared by: Product Safety Committee

All the recommendations and suggestions herein concerning this product are based upon tests and data believed to be reliable, however it is the user's responsibility to determine the safety, toxicity and sustainability for their own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Q'Max Solutions Inc. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does Q'Max Solutions Inc. assume any liability arising out of use by others. Nor is the information herein to be considered as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.