



MATERIAL SAFETY DATA SHEET

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1-613-996-6666 – CANUTEC – Transportation Emergency
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Q'MUL II

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: Q'MUL II
Chemical Family: Blend of Surfactants
WHMIS Classification: D1B; D2B
Workplace Hazard: Toxic, skin and eye irritant

Product Use: Secondary emulsifier
TDG Classification: Not regulated
Packaging Group: Not applicable
PIN: Not applicable

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD ₅₀ (Oral /Rat)	LC ₅₀ (Inhal/Rat)
Petroleum hydrocarbons	30-60	64741-44-2 64741-43-1	>5 mg/kg Not determined	1.72 mg/L/4 hr Not determined
Fatty acids, tall-oil, reaction products with dethylenetriamine, dodecylbenzenesulfonates	30-60	68956-43-4	Not available	Not available
Sorbitan trioleate	1-5	26266-58-0	Not available	Not available

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: Severe eye irritant. Exposure to vapours, fumes or mists may cause eye irritation. Severe skin irritant. May cause respiratory tract irritation. May cause CNS effects. Effects may include: excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Exposure to high concentrations of oil mists may cause oil pneumonia. Aspiration into lungs, during ingestion or vomiting, may cause chemical pneumonitis. May cause gastrointestinal disturbances. Symptoms may include irritation, diarrhea and vomiting. Exposure may cause nervous system symptoms including CNS depression, similar to those listed under inhalation.

Effects of chronic exposure: Repeated or prolonged contact may result in skin defatting, redness, inflammation and irritation.

Exposure limits: Not established

Irritancy of product: Skin and eye

Sensitization to product: Not applicable

Carcinogenicity: No information available

Reproductive toxicity: No information available

Teratogenicity: No information available

Mutagenicity: No information available

Name of toxicological synergistic products: No information available



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SECTION IV: FIRST AID MEASURES

Skin contact: Remove contaminated clothing. Wash thoroughly with soap and water for minimum 5 minutes. If irritation persists, or develops, obtain medical attention.

Eye contact: Flush with gently flowing, warm water for minimum 15 minutes. When flushing is complete obtain medical attention.

Inhalation: Move to fresh air. Apply oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.

Ingestion: Do not induce vomiting. If conscious rinse out mouth and give 1 to 2 glasses of water to drink. If vomiting occurs, keep head below hips to ensure vomitus is not aspirated. Obtain medical attention. Never give anything by mouth unless victim is fully conscious.

SECTION V: PHYSICAL DATA

Physical state: Liquid

Appearance and odour: Dark amber liquid; hydrocarbon odour.

Odour threshold: Not available

Specific gravity: 0.933

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 (%): Not applicable

Co-efficient of water/oil distribution: Insoluble in water



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SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Vapours can travel to source of ignition and flash back.

Means of extinguishing: Dry chemical, foam, CO₂, or water spray.

Flash point: > 100°C (TCC) minimum

Upper flammable limit: Not determined

Lower flammable limit: Not determined

Auto-ignition temperature: Not determined

Hazardous combustion products: Oxides of carbon, oxides of sulphur and smoke on combustion

Explosion data-sensitivity to mechanical impact: Not available

Explosion data-sensitivity to static discharge: May accumulate static charge and ignite.

SECTION VII: REACTIVITY DATA

Chemically unstable (conditions): Stable.

Product incompatible with: Strong oxidizing and acids. Avoid high temperatures and ignition sources.

Conditions of reactivity: Not available

Hazardous decomposition products: Oxides of carbon, oxides of sulphur and smoke on combustion



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SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: In the absence of adequate ventilation use approved respirators with organic vapour cartridges or self-contained breathing apparatus. Petroleum hydrocarbon manufacturer recommends: 5 mg/m³ (oil mists)/8hr. Suggest rubber or viton protective gloves and chemical goggles and/or full-face shield be worn. Do not wear contact lenses when handling this material. Wear chemical resistant clothing as required to prevent contact. Ensure eye wash station and emergency shower are available.

Specific engineering controls: Use local exhaust ventilation, process enclosure or other engineering controls to maintain concentration of vapours below TLV. Ensure explosion proof equipment is used.

Procedures for leak/spills: Use appropriate safety equipment. Eliminate ignition sources. Dike to prevent spread of spilled material. Stop leak if possible to do so without risk. Small spills; soak up with absorbent materials. Large spills; use vacuum to collect. Collect uncontaminated material for repackaging; collect contaminated material in approved containers for disposal. Treat remainder as a small spill. Collect absorbent material in approved container for disposal. Flush spill area thoroughly with water. Collect wash water in approved containers for disposal.

Waste disposal: Dispose in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty containers, that have not been rinsed and purged, contain residual hazardous material and must be disposed of, or recycled, in accordance with local regulations.

Handling procedures and equipment: Avoid breathing vapours and mists. Avoid direct or prolonged contact with skin and eyes. Remove contaminated clothing and launder before reuse. Use nonsparking tools and ground equipment and containers when transferring.

Storage requirements: Store in tightly closed containers in an area that is dry and well ventilated. Store away from ignition sources and incompatible materials. Empty packages contain residual hazardous material; handle and store as if full.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: November 9, 2009

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.