



MATERIAL SAFETY DATA SHEET

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

VERSAMOD

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: VERSAMOD

Chemical Family: Oil

WHMIS Classification: B3 D2B

Workplace Hazard: Combustible liquid and vapour. May cause eye, skin, and respiratory tract irritation. Vapors or mists may cause central nervous system (CNS) effects if inhaled.

Product Use: Emulsifier

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 (Species/Route)
Fatty acids	50-90		> 5000 mg/kg	N/A
Petroleum distillates, hydrotreated light	20-50	64742-47-8	>39.9 g/kg	LD50 (Dermal/rabbit): 2.0 - 4.0 g/kg LC50 (Inhalation/rat): >24.1 mg/l/1H

SECTION III: TOXICOLOGICAL PROPERTIES

Route of entry: Skin Eye Contact Inhalation Ingestion

Effects of acute exposure: May irritate eyes. May be irritating to the skin. May cause skin defatting with prolonged exposure. Vapors or mists may be irritating to the respiratory tract. May cause central nervous system (CNS) effects. May cause gastric distress, nausea and vomiting if ingested. Aspiration can be a hazard if this material is swallowed.

Effects of chronic exposure: No information available

Exposure limits: (TLV & PEL - 8H TWA): No information available

Ingredients	ACGIH TLV	OSHA PEL	Other	Notes
Fatty acids	N/A	N/A	N/A	(1) Oil mist
Petroleum distillates, hydrotreated light	N/A	N/A	N/A	(1) Oil mist

(1) For Oil mist, mineral: ACGIH TLV 5 mg/m³, STEL 10 mg/m³; OSHA PEL 5 mg/m³

Blood chemistry and effects to the lymph system, spleen, liver, adrenal glands and thyroid were observed in a 13 week oral study in rats. The level of exposures were 1 and 5% of the diet (approx. 1000 and 5000 mg.kg.day). The no-effect-level was 0.1% (approx. 100 mg/kg/day). (EPA HPV summary 03/18/2002, AR201-13651B)

Irritancy of product: May cause eye, skin, and respiratory tract irritation.

Sensitization to product: No information available

Carcinogenicity: No information available

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Reproductive toxicity: No information available

Teratogenicity: No information available

Mutagenicity: No information available

Name of toxicological synergistic products: No information available

SECTION IV: FIRST AID MEASURES

Skin contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if any discomfort continues.

Eye contact: Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues

Inhalation: Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting. Dilute with 2 - 3 glasses of water or milk, if conscious. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION V: PHYSICAL DATA

Physical state: Liquid.

Appearance and odour: Amber liquid, hydrocarbon odour.

Odour threshold: Not determined

Specific gravity: Not determined

Vapor pressure (mmHG): Not determined

Vapor density (Air=1): Not determined

Evaporation rate: Not determined

Boiling point (°C): 149-260 (300-500°F)

Freeze/Melting point (°C): Not determined

pH: Not determined

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



SECTION VI: FIRE AND EXPLOSION DATA

Conditions of flammability: Flammable (Flammability class IIIA). Porous combustible materials wetted with product may spontaneously ignite if exposed to air.

Means of extinguishing: Water fog, carbon dioxide, foam, dry chemical.

Flash point: 79°C (174°F) PMCC

Upper flammable limit: Not determined

Lower flammable limit: Not determined

Auto-ignition temperature: Not determined

Hazardous combustion products: Oxides of carbon

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: Oxidizers.

Conditions of reactivity: Keep away from heat, sparks and flame.

Hazardous decomposition products: Not determined



SECTION VIII: PREVENTATIVE MEASURES

Personal protective equipment: Wear chemical safety goggles. Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear chemical resistant gloves such as nitrile or neoprene. If exposed to airborne mist/aerosol of this product, use at least a NIOSH-approved N95 half-mask disposable or re-usable particulate respirator. In work environments containing oil mist/aerosol, use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator. If exposed to vapors from this product use a NIOSH/MSHA-approved respirator with an Organic Vapor cartridge.

Specific engineering controls: Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

Procedures for leak/spills: Evacuate the spill area with the exception of the spill response team. Keep personnel removed and upwind of spill. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Shut off leak if it can be done safely. Contain spilled material. Do not allow spilled material to enter sewers, storm drains or surface waters. Absorb in vermiculite, dry sand or earth. Place into containers for disposal. Use non-sparking or explosion proof means to transfer material to containers. Note that flammable/combustible vapors may form an ignitable mixture with air. Vapors may travel considerable distances from spill and flash back, if ignited.

Waste disposal: Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill.

Handling procedures and equipment: Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. Use only in a well ventilated area. Ground and bond containers when transferring material. Wash thoroughly after handling.

Storage requirements: Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Special shipping information: Not applicable

SECTION IX: PREPARATION

Date updated: January 19, 2011

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.