



# MATERIAL SAFETY DATA SHEET

#1700, 407 2<sup>ND</sup> STREET S.W., CALGARY, ALBERTA T2P 2Y3  
**TELEPHONE: (403) 269-2242** FAX: (403) 269-2251  
1-613-996-6666 – CANUTEC – Transportation Emergency  
1-888-243-9771 – ChExSS – Chemical Exposure

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## DEFOAMER SILICONE

### SECTION I: IDENTIFICATION OF PRODUCT

**Product Name:** DEFOAMER SILICONE  
**Chemical Family:** Silicone Emulsion  
**WHMIS Classification:** D2B  
**Workplace Hazard:** Skin and eye irritant

**Product Use:** Defoamer  
**TDG Classification:** Not applicable  
**Packaging Group:** Not applicable  
**PIN:** Not applicable

### SECTION II: HAZARDOUS INGREDIENTS

Ingredients	Percent	CAS Number	LD <sub>50</sub> (Rat/Oral)	LC <sub>50</sub> (Species/Route)
Ethoxylated nonylphenol (9-10)	1-5	9016-45-9	>3000 mg/kg	-
Ethoxylated nonylphenol (4)	1-5	9016-45-9	>7400 mg/kg	-

### SECTION III: TOXICOLOGICAL PROPERTIES

**Route of entry:**  Skin  Eye Contact  Inhalation  Ingestion

**Effects of acute exposure:** May cause slight irritation to eyes. May cause irritation to the skin. Contains an ingredient that is a severe irritant in animal testing. **INGESTION:** Essentially non-toxic in animal tests. It may cause gastrointestinal upset. **INHALATION:** Prolonged or excessive inhalation may cause irritation. Avoid breathing vapours or mists. Not an expected route of exposure under normal conditions of use.

**Effects of chronic exposure:** Not available

**Exposure limits:** Not available

**Irritancy of product:** May cause irritation to eyes and skin. May cause gastrointestinal upset.

**Sensitization to product:** Not available

**Carcinogenicity:** No known cancer hazards

**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. Immediately wash affected area with plenty of water and soap. If irritation persists obtain medical attention.

**Eye contact:** Flush with gently flowing warm water for 15 minutes holding the eyelids open. If irritation persists, obtain medical attention.

**Inhalation:** Give oxygen or artificial respiration if required. If breathing difficulties or distress continues, obtain medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth and give 2 glasses of water. If vomiting occurs, keep victim's head below the lungs to prevent aspiration of the vomitus. Obtain medical attention. Never give anything by mouth unless victim is fully conscious.

## SECTION V: PHYSICAL DATA

**Physical state:** Liquid

**Appearance and odour:** Opague, white liquid, mild odour

**Odour threshold:** Not established

**Specific gravity:** 0.96 – 1.1 @ 25° C

**Vapor pressure (mmHG):** 24 @ 25 °C

**Vapor density (Air=1):** Not available

**Evaporation rate:** < 1 (Butyl Acetate = 1)

**Boiling point (°C):** > 100

**Freeze/Melting point (°C):** 0

**pH:** Not available

**Co-efficient of water/oil distribution:** Dispersible



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## SECTION VI: FIRE AND EXPLOSION DATA

**Conditions of flammability:** Material will burn in a fire. Contains dimethylpolysiloxane which can generate formaldehyde as a byproduct of oxidative thermal decomposition beginning at ~150°C. Formaldehyde is a potential cancer hazard.

**Means of extinguishing:** Water may be effective for cooling, but may not effect extinguishment. CO<sub>2</sub>, foam or dry powder recommended.

**Flash point:** > 93.9 ° C (PMCC)

**Upper flammable limit:** Not available

**Lower flammable limit:** Not available

**Auto-ignition temperature:** Not available

**Hazardous combustion products:** Formaldehyde

**Explosion data-sensitivity to mechanical impact:** Not available

**Explosion data-sensitivity to static discharge:** Not available

## SECTION VII: REACTIVITY DATA

**Chemically unstable (conditions):** Stable.

**Product incompatible with:** Avoid strong oxidizers

**Conditions of reactivity:** Contact with incompatibles

**Hazardous decomposition products:** May produce fumes, smoke, oxides of carbon, formaldehyde and hydrocarbons



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## SECTION VIII: PREVENTATIVE MEASURES

**Personal protective equipment:** Use NIOSH approved respirator or control inhalation of mists if required. Rubber or neoprene gloves recommended. Use chemical splash goggles or face shield when handling this product. Do not wear contact lenses when handling this product. Wearing of chemical resistant protective clothing is suggested when handling this product.

**Specific engineering controls:** Local exhaust is recommended whenever this product is used in a confined space, is heated above ambient temperature or is agitated.

**Procedures for leak/spills:** Use appropriate safety equipment. Avoid all bodily contact with spilled material. Small spills; soak up with absorbent material. Large spills, dike to contain spill to prevent water pollution. Collect uncontaminated material for repackaging. Collect contaminated material and absorbents in approved containers for disposal. Do not allow material to enter sanitary sewers, storm sewers or storm water inlets

**Waste disposal:** Dispose in accordance with Federal, Provincial and local regulations. Empty containers that have not been cleaned and purged contain hazardous material and must be disposed of, or recycled in accordance with 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.

**Handling procedures and equipment:** Practice reasonable caution and personal cleanliness. Launder exposed clothing before reuse. Avoid skin and eye contact. Wear suitable protection for eyes and skin when handling. Open containers slowly.

**Storage requirements:** Store unused material in original container. Store in a cool, dry, well-ventilated place away from incompatibles. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

**Special shipping information:** Not available

## SECTION IX: PREPARATION

**Date updated:** May 4, 2010

**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.