

MATERIAL SAFETY DATA SHEET

CMR SILICONE SURFACTANT

Page 1 of 4

Issue Date: 12/99

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

CMR SILICONE SURFACTANT

CA Reg. Number: 1050775-50025-AA
Common Name: Nonionic Surfactant (Adjuvant).
Chemical Description: Organo-Modified Siloxane
TSCA/CAS No.: Proprietary.

Manufactured By

Creative Marketing & Research, Inc.
P. O. Box 35000
Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 431-7390
CHEMTREC (24-Hour Emergency Number): (800) 424-9300
EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Organosilicone Surfactant blend	Proprietary	100	N.E.*	N.P.*

* N.A. - Not Available.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Clear, colorless liquid with slight odor. May cause severe irritation to eyes. Moderate irritant to skin and lungs. Avoid contact with oxidizers. Burning may result in formation of carbon monoxide and carbon dioxide. Avoid extreme temperatures. Not D.O.T. regulated.

HEALTH: 2 REACTIVITY: 0 FLAMMABILITY: 1 ENVIRONMENT: 1

(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4. FIRST AID

Eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
Skin: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention.
Ingestion: Call a doctor or get medical attention immediately.
Inhalation: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult consult a physician.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	> 212°F.
Test Method:	Not available.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	Burning may result in formation of carbon monoxide and carbon dioxide.
Extinguishing Media:	Foam, CO ₂ , dry chemical, water.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Keep away from strong alkalis, acids and/or oxidizing agents. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygenic Practices:	Harmful if swallowed, absorbed through skin, or inhaled. Do not get in eyes, on skin or on clothing. May cause severe irritation to eyes and moderate irritation to skin and lungs. Wear nitrile or neoprene rubber gloves, facial splash shield and protective garments. Avoid breathing spray mist. Wash with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Do not contaminate feed and foodstuffs. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Wear nitrile or neoprene rubber gloves and impervious clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Clear, colorless liquid.
Odor:	Slight odor.
pH:	Not available.
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	Heavier than air.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Soluble.
Density:	8.34 lbs./gal.
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	None with proper handling.
Incompatibility:	Strong oxidizers.
Hazardous Decomposition Products:	Burning may result in formation of carbon monoxides and carbon dioxide.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Moderate irritant. May cause irritation upon prolonged and repeated contact.
Skin:	Slight irritant, especially from prolonged exposure. May cause redness, drying and cracking. LD ₅₀ (Rat): > 2000 mg/kg.
Ingestion:	Moderate irritant. May cause nausea, abdominal discomfort, vomiting and diarrhea. LD ₅₀ (Rat): 3612 mg/kg.
Inhalation:	None expected but aerosol mist may cause mild irritation of nasal mucous membranes.
Subchronic Effects:	None known.
Chronic Effects:	None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.

SECTION 14. TRANSPORTATION

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Adhesives, Adjuvants, Spreaders or Stickers, Liquid. NMFC Item 4612, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65 (CA): None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.