
Section 1. Supplier Information

CMI Chemical Corporation
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Section 2. Hazardous Ingredients

<u>Hazardous Component(s)</u>	<u>CAS #</u>	<u>PEL TWA</u>	<u>PEL Ceiling</u>	<u>TLV TWA</u>	<u>TLV STEL</u>	<u>MFG Limits</u>	<u>WGT %</u>
n-Octyltriethoxysilane	2943-75-1	N/E	N/E	N/E	N/E	N/E	10 - 20
Silicones and Siloxanes,	68037-59-2	N/E	N/E	N/E	N/E	N/E	10 - 20

N/A = Not Applicable; N/E = Not Established; * = Mists; # = Skin; ' = Respirable Dust; " = Total Dust; ^ = Vapor; ** = Fumes; C = Ceiling Limit

All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory and the Canadian Domestic Substances List (DSL), or are exempt from the listing.

Section 3. Hazards Identification

Primary Routes of Entry

Inhalation: YES
Skin: YES
Ingestion: YES

Hazardous Materials Information System (HMIS) Ratings

Health:	1	0 = Minimal
Fire:	1	1 = Slight
Reactivity:	1	2 = Moderate
		3 = Serious
		4 = Severe
		* = Chronic Hazard

Signs of Symptoms of Exposure:

INHALATION: No effects of exposure expected. At very high concentrations only, this product may cause headache, nose and throat irritation, nausea and/or mental confusion.

SKIN: Prolonged or repeated contact can cause irritation.

EYES: Minimally irritating to the eyes. High vapor concentrations may be irritating.

INGESTION: Ingestion of large amounts causes gastric disturbances. Nausea and vomiting may result.

Chemical Listed as Potential Carcinogens:

NTP: NO

IARC: NO

OSHA: NO

Target Organs: None known.

Section 4. Emergency And First Aid Procedures

INHALATION: If adverse effects such as dizziness, nausea, or irritation are noted, move person to fresh air. If not breathing, give artificial respiration. Get medical attention!

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SKIN: Immediately wash skin with large amounts of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.

EYES: Flush eyes immediately with water for at least 15 minutes. If irritation persists, call a physician.

INGESTION: Call a physician or emergency medical facility immediately!

Section 5. Fire Fighting Measures

Flash Point: > 200 ° F Method Used: Tagliabue Closed Cup

Flammable Limits in Air % by Volume: LEL: N/E UEL: N/E

Extinguisher Media: Carbon dioxide, dry chemical or water fog.

Special Fire Fighting Procedures: Water spray may be ineffective in fighting fires, but may be used to cool closed containers. Full protective equipment including self-contained breathing apparatus should be used.

Unusual Fire And Explosion Hazards: Product may generate flammable vapors or gasses. See section 7 or 10 for incompatibilities.

Section 6. Accidental Release Measures

If material is spilled, absorb with sand, earth, or similar inert material. Place in closed, labeled containers for proper disposal.

CERCLA (Superfund) Reportable Quantity (in lbs None.

Section 7. Handling and Storage

Handling: Avoid contact with skin and eyes; wash thoroughly after handling. Avoid breathing vapor; use with adequate ventilation.

Storage: KEEP FROM FREEZING! Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels.

Other: Do not reuse container without recycling or reconditioning. Handle empty containers as if they were full.

Section 8. Exposure Controls and Personal Protection

Respiratory Protection: Use NIOSH / MSHA approved respirator where high vapor or mist concentrations are present.

Local Exhaust: None normally required. Local exhaust may be needed under special circumstances such as poorly ventilated areas, evaporation from large surfaces, spraying, heating, etc.

Mechanical Exhaust: Mechanical ventilation should be sufficient to maintain exposure levels below exposure limits.

Protective Gloves: Solvent-resistant gloves such as Silver Shield, 4H, or equivalent

Eye Protection: At a minimum, wear safety glasses with side shields.

Other Protection: Eye wash should be available. Wear coveralls to protect clothing from spatters.

Hygienic Practices: Avoid contact with skin and avoid breathing vapors or mist. Do not eat, drink, or smoke while using this product. Wash up prior to eating, drinking, or using the restroom.

Section 9. Physical and Chemical Properties

Boiling Point: ~ 212 ° F

Degree of water solubility:

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Specific Gravity (H ₂ O=1):	0.9 - 1.1	Degree of water solubility: Negligible = Less than 0.1% Slight = 0.1% - 1% Moderate = 1% - 10% Appreciable = More than 10% Complete = 100%
Vapor Pressure (mm Hg):	Similar to water.	
Vapor Density (air=1)	Similar to water.	
Solubility in Water:	Complete.	
Reactivity in Water:	Slight, generates gases or vapors.	
Weight per Gallon (lb/gal):	8.25 - 8.4 lbs/gal	
% Volatile by Volume:	> 80	
% Solid by Weight:	< 20	
Appearance and Odor:	White, odorless liquid.	
Theoretical VOC: (>0.1 mm Hg @ 20° C)	0.1 - 0.2 lbs/gal	
Analytical VOC : (EPA method 24)	0.25 - 0.4 lbs/gal	
pH:	7.0 - 7.8	

Section 10. Stability and Reactivity

Stability: Stable. Hazard Polymerization: Will not occur.

Conditions to Avoid: Water or moist (humid) air may generate ethanol vapors.

Incompatibility (Materials to Avoid): Reacts with oxidizers. Water, alcohols, acidic or basic materials, and many metallic compounds will liberate flammable hydrogen gas.

Hazardous Decomposition Products: Various organic compounds, silicon dioxide, hydrogen fluoride, nitrogen oxides, hydrogen, formaldehyde, and oxides of carbon.

Section 11. Toxicological Information

Section 12. Ecological Information

Section 13. Disposal Considerations

Waste Disposal Methods (Federal, State, Local):
In accordance with all federal, state and local requirements.

RCRA Hazardous Waste Number: D003

Section 14. Transport Information

Hazardous Material Description:
(Proper shipping name, hazard class, hazard ID#, packing group)

Domestic ground non-bulk: NOT REGULATED

Domestic ground bulk: NOT REGULATED

International: NOT REGULATED

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Section 15. Regulatory Information

SARA 313 Information This product contains the following chemical(s) above de minimis concentrations and may be subject to reporting under section 313:

None.

Section 16. Other Information

This MSDS contains revisions in the following sections: New format

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Revised by: Andrew J. Thomas Chemist

The development of this Material Safety Data Sheet (MSDS) relies upon information provided to us by each of our raw material suppliers. This MSDS will be updated as changes occur to their MSDS(s).

We believe the recommendations and technical information contained herein to be accurate. However, they are given without warranty or guarantee, expressed or implied, and we assume no responsibility for losses or damage, direct or indirect, as a result of their use.