
Section 1. Supplier Information

CMI Chemical Corporation
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(248) 587-5600
Emergency Telephone: 1-800-424-9300

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

<u>Primary Routes of Entry</u>	<u>Hazardous Materials Information System (HMIS) Ratings</u>		
Inhalation: YES	Health:	1	0 = Minimal
Skin: YES	Fire:	0	1 = Slight
Ingestion: YES	Reactivity:	1	2 = Moderate
			3 = Serious
			4 = Severe
			* = Chronic Hazard

Signs of Symptoms of Exposure:

INHALATION: Vapors are irritating to the nose, throat, and respiratory tract, and may produce headache and nausea in areas of poor ventilation.

SKIN: Prolonged or repeated contact can cause irritation.

EYES: Vapors are slightly uncomfortable. Splashes can be irritating, will cause painful burning or stinging of eyes and lids, watering of eyes and inflammation of conjunctiva.

INGESTION: May dull senses and cause injury if significant quantities are ingested.

Chemical Listed as Potential Carcinogens:

NTP: NO

IARC: NO

OSHA: NO

Target Organs: Liver.

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: > 212 ° F Method Used: Tagliabue Closed Cup

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

Extinguisher Media: Water spray, dry chemical, carbon dioxide, or foam.

Special Fire Fighting Procedures: Firefighters should wear a self-contained breathing apparatus with a full facepiece operated in pressure demand or other positive pressure mode, and protective clothing.

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. Avoid breathing vapor or mist. Do not ingest. Wash thoroughly after handling. Use with adequate ventilation. Product evolves small quantities of hydrogen gas.

Storage: Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels. Contact with water or moist (humid) air will evolve flammable gas or vapors. Use a vented container. A clogged vent may increase pressure build up.

Other: CAUTION! Do not use cutting or welding torches on containers, even when empty. Containers, even those that have been emptied, will retain product residue and vapors. 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: Safety glasses with side shields. Do NOT wear contact lenses. Chemical goggles and/or faceshield should be worn where splashing is possible.

Other Protection: Eye wash and safety shower should be readily available.

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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
Specific Gravity (H₂O=1): 0.9 - 1.1
Vapor Pressure (mm Hg): Approximately water.
Vapor Density (air=1) N/E
Solubility in Water: N/E
Reactivity in Water: Slight (generates ethanol).
Weight per Gallon (lb/gal): 8.1 - 8.4 lbs/gal
% Volatile by Volume: > 80
% Solid by Weight: < 20
Appearance and Odor: White, odorless liquid.
Theoretical VOC: 0 lbs/gal
(>0.1 mm Hg @ 20 ° C)
Analytical VOC : 0.2 - 0.4 lbs/gal
(EPA method 24)
pH: 3.3 - 4.3

Degree of water solubility:
Negligible = Less than 0.1%
Slight = 0.1% - 1%
Moderate = 1% - 10%
Appreciable = More than 10%
Complete = 100%

Section 10. Stability and Reactivity

Stability: Stable. Hazard Polymerization: Will not occur.
Conditions to Avoid: Water or moist (humid) air will evolve ethanol.
Incompatibility (Materials to Avoid): Oxidizing material can cause a reaction. Water, alcohols, acidic, basic, and certain metal will liberate hydrogen gas (flammable).
Hazardous Decomposition Products: Silicon oxides, hydrogen, formaldehyde, various organic compounds, nitrogen oxides, 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 VENTED PACKAGES - FORBIDDEN FOR

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AIR TRAVEL
Domestic ground bulk: NOT REGULATED
International: NOT REGULATED VENTED PACKAGES - FORBIDDEN FOR
AIR TRAVEL

Section 15. Regulatory Information

SARA 313 Information This product contains the following chemical(s) above deminis 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.