



SILTECH CORP.
Material Safety Data Sheet

Siltech C-7014
MSDS NR: 6021

Revised: September 11, 2009

SECTION 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification: Siltech C-7014

Chemical Name: Silicone Copolymer

INCI Name: None

Company Identification: Siltech Corp.

225 Wicksteed Avenue

Toronto, Ont.

M4H 1G5

(416) 424-4567

CANUTEC 24-HOUR EMERGENCY RESPONSE TELEPHONE NUMBER: (613) 996-6666

USE IN CASE OF A DANGEROUS GOODS EMERGENCY

SECTION 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

CAS NR

556-67-2

Wt %

40 - 50

Components

Octamethylcyclotetrasiloxane

THIS MATERIAL IS FOR INDUSTRIAL USE ONLY - NOT FOR FOOD, MEDICAL OR DRUG USE.

SECTION 3. HAZARDS IDENTIFICATION

DANGER: Combustible liquid and vapours.

Avoid all sources of ignition, such as flame, sparks. Ground all equipment.

Good manufacturing practices are always recommended when handling any chemical.

There are no potential health effects expected from handling this material.

There are no significant laboratory data to suggest any hazard to humans.

Eyes: Direct contact may cause temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term irritation.

Inhalation: No significant effects expected from a single short-term exposure.

Oral: Low ingestion hazard in normal use.

Repeated exposure effects:

Skin: Repeated or prolonged exposure may cause irritation.

Inhalation: No known applicable information.

Oral: No known applicable information.

Comments: Laboratory rodents repeatedly exposed to octamethylcyclotetrasiloxane by inhalation or ingestion developed increased liver weight when compared to the control rodents. However, no gross or histopathological liver weights were noted. We recommend using good manufacturing practices and avoiding inhalation or ingestion of this material.

HMIS	
H	1
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R	0



SECTION 4. FIRST AID MEASURES

Eyes: Immediately flush with warm running water for at least 15 minutes, holding eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.

Skin: Remove contaminated clothing. Immediately flush exposed area with large amounts of warm running water for at least ten (10) minutes. If irritation persists or if contact has been prolonged, obtain medical attention.

Inhalation: Immediately remove to fresh air. Give oxygen for breathing difficulty. If breathing has stopped give artificial respiration. If breathing and pulse are absent give CPR. Immediately obtain medical attention. Stay with casualty until medical assistance is reached.

Oral: DO NOT INDUCE VOMITING. If patient is fully conscious and not convulsing, give 2 to 4 glasses of water to dilute the material. Transport to medical facility. If spontaneous vomiting occurs have victim lean forward to avoid breathing in of emesis. Rinse mouth and administer more water.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point : 60°C (Pensky-Martens closed cup).

Autoignition Temperature: Not determined.

Flammability: Combustible.

Extinguishing Media: Dry chemical; foam or carbon dioxide, water spray.

Fire Fighting Procedures: Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus and body-covering protective clothing.

Hazardous Decomposition Products: Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Evacuate area. Shut off all sources of ignition. Ventilate area. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in steel drums for recover or disposal. Clean area as appropriate since some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal, Provincial and local regulations that may apply to the clean up of this material.

SECTION 7. HANDLING AND STORAGE

Handling (Personnel): Follow routine safe handling procedures. Ground and bond equipment and containers to prevent a static charge build-up. Use spark resistant tools. Safety Glasses and PVC Gloves.

Storage: Keep container closed and away from heat, sparks and open flame.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:

Local Exhaust: Required.

General Ventilation: Required.

Personal Protective Equipment for Routine Handling

Eyes: Use chemical safety glasses.

Skin: Rubber gloves. Impermeable apron and coveralls as appropriate. Washing at mealtime and end of shift.

Inhalation: Properly ventilation required.

Suitable Respirator: NIOSH/MSHA approved respirator for concentrations exceeding TLV.

Other: An eyewash and safety shower should be nearby and ready for use.

Personal Protective Equipment for Spills

Eyes: Use proper protection - rubber gloves and chemical safety glasses as a minimum.

Skin: Rubber gloves. Impermeable apron and coveralls as appropriate.

Inhalation/Suitable Respirator: NIOSH/MSHA approved respirator for concentrations exceeding TLV.

Precautionary Measures: Avoid eye contact and inhalation.

WARNING

Combustible. Keep away from heat and flame.

Note: These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added precautions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Physical form:</u>	Clear Liquid	<u>Viscosity@ 25°C:</u>	50 cps
<u>Colour:</u>	Colourless	<u>Melting Point:</u>	Not applicable
<u>Odour:</u>	Odourless	<u>Boiling point:</u>	>100°C @ 760 mmHg
<u>Specific Gravity @ 25°C:</u>	0.97	<u>Density (g/ml) @ 25°C:</u>	0.97
<u>Solubility in Water:</u>	Insoluble	<u>pH:</u>	Not determined

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Materials to Avoid: Oxidizing material can cause a reaction.

SECTION 11. TOXICOLOGICAL INFORMATION

Optional Section - Complete information not yet available.

SECTION 12. ECOLOGICAL INFORMATION

Optional Section - Complete information not yet available.

SECTION 13. DISPOSAL CONSIDERATIONS

Landfill and/or incineration where permitted under Federal, Provincial or local laws. Observe all local, Provincial, and Federal waste management regulations.

SECTION 14. TRANSPORTATION INFORMATION

Shipping Name: Combustible Liquid, n.o.s.

Technical Name: Cyclosiloxane

Primary Class: 3

Subsidiary Risk: Not assessed

Product Identification Number: NA 1993

Packing Group: III

SECTION 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the CPR, and this MSDS contains all the information required by the CPR.

WHMIS Classification: Class B - Division 3

DSL: All ingredients are on or exempted from the inventory.

TSCA: All ingredients are on the inventory.

EINECS: All ingredients are on or exempted from the inventory.

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances (40 CFR 355): **None**

Section 304 CERCLA Hazardous Substances (40 CFR 302): **None**

Section 311/312 Hazard Class (40 CFR 370): Acute: **No**; Chronic: **Yes**; Fire: **Yes**; Pressure: **No**; Reactive: **No**

Section 313 Toxic Chemicals (40 CFR 372): **None**

Supplemental State Compliance Information

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm: **None known.**

Massachusetts

No ingredients regulated by MA Right-to-know Law present.

New Jersey

<u>SUBSTANCE</u>	<u>CAS NR</u>	<u>WT %</u>
Octamethylcyclotetrasiloxane	556-67-2	40 - 50

Pennsylvania

<u>SUBSTANCE</u>	<u>CAS NR</u>	<u>WT %</u>
Octamethylcyclotetrasiloxane	556-67-2	40 - 50

SECTION 16. OTHER INFORMATION

The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This data is offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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