




# SAFETY DATA SHEET

WHMIS 2015 • OSHA HCS (29 CFR 1910.1200) • NOM-018-STPS-2015

## 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	
Product Name	<b>Silamine C-100</b>
Product code	4861
Chemical Name	Mixture
CAS No.	182700-78-3 / 7732-18-5
Alternative names (INCI)	PEG-8 Amodimethicone
<b>1.2 Recommended use of the chemical and restrictions on use</b>	
Identified use(s)	An intermediate chemical product. Additive, Surface active agent
Uses advised against	None known
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
Company Identification	Siltech Corp 225 Wicksteed Ave Toronto, ON Canada M4H 1G5
Telephone	+1-416-424-4567
Fax	+1-416-424-3158
E-Mail (competent person)	raj@siltech.com
Additional Location	Siltech Corp 3265 Wolfedale Road, Mississauga ON Canada L5C 1V8
Telephone	+1-905-270-5534
Fax	+1-905-270-5816
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	<b>CANUTECH - TELEPHONE: EMERGENCY USE ONLY</b> <b>+1-613-996-6666</b>

## 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
	<b>Skin Irrit. 2</b> <b>Eye Irrit. 2</b> <b>Repr. 2</b>
<b>2.2 Label elements</b>	
Product Name	<b>Silamine C-100</b>
Symbol	
Signal word(s)	<b>Warning</b>
Hazard statement(s)	H315: Causes skin irritation. H319: Causes serious eye irritation. H361f: Suspected of damaging fertility.
Precautionary statement(s)	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P264: Wash hands and exposed skin thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P501: Dispose of contents/container to:Observe Local Regulations.  
None known

**2.3 Other hazards**

**3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances**

Hazardous ingredient(s)	Synonym(s)	%W/W	CAS No.	EC No.	Hazard pictogram(s) and Hazard statement(s)
Siloxanes and Silicones, 3-[(3-aminopropyl)amino]propyl Me, di-Me, 3-hydroxypropyl Me, ethoxylated, [(hydroxydimethylsilyl)oxy]-terminated	PEG-8 Amodimethicone	45 - 55	182700-78-3	Polymer exempt	GHS07 H315, H319
Octamethylcyclotetrasiloxane	D4	0.1 – 0.5	556-67-2	209-136-7	GHS02, GHS08 H226, H361f, H410

**4. SECTION 4: FIRST AID MEASURES**



**4.1 Description of first aid measures**

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Remove contaminated clothing immediately and wash affected skin with soap and water. Obtain medical attention if ill effects occur.
Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Obtain medical attention if ill effects occur.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed**

Not available.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing Media**

Suitable Extinguishing Media	In case of fire, use water spray, foam, dry powder or CO2 for extinction. Keep containers cool by spraying with water if exposed to fire.
Unsuitable Extinguishing Media	None known

**5.2 Special hazards arising from the substance or mixture**

Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

**5.3 Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

## 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- 6.2 Environmental precautions** Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up** Caution - spillages may be slippery. Cover spills with inert absorbent material. Transfer to a container for disposal.
- 6.4 Reference to other sections** See Section: 7 & 8.





## 7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Avoid contact with skin and eyes. Avoid ingestion. Use only with sufficient ventilation. Wash thoroughly after handling. General hygiene measures for the handling of chemicals are applicable.
- 7.2 Conditions for safe storage, including any incompatibilities** Store in a tightly closed container.
- Storage Temperature: Ambient  
Storage Life: Stable under normal conditions.  
Incompatible materials: Oxidizing agents
- 7.3 Specific end use(s)** Industrial use

## 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
None assigned						

- 8.1.2 Biological limit value** Not established
- 8.1.3 PNECs and DNELs** Not established
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation.
- 8.2.2 Personal protection equipment**
- Eye/face protection  Wear protective eyewear (goggles, face shield, or safety glasses).
- Skin protection (Hand protection/ Other)  Wear suitable gloves if prolonged skin contact is likely. Nitrile rubber, Neoprene, Rubber
- Respiratory protection  Wear suitable respiratory protective equipment if processing involves working in areas where dusts or vapours are likely to be evolved.
- Thermal hazards  None.
- 8.2.3 Environmental Exposure Controls** Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties**
- Appearance: Colourless to yellowish liquid.  
Odour: Characteristic odour.  
Odour Threshold: Not available.

pH	8
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	>100°C @ 760mmHg
Flash point (PMCC)	>100°C
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density / Specific Gravity (25°C)	Not available.
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity (25°C)	50 - 200 cps
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

## 10. SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	Will not occur.
<b>10.4 Conditions to avoid</b>	None known.
<b>10.5 Incompatible materials</b>	Oxidizing agents.
<b>10.6 Hazardous Decomposition Product(s)</b>	Silicon Dioxide, carbon oxides, incompletely burned carbon compounds, formaldehyde.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	
Ingestion	Low toxicity under normal conditions of handling and use.
Inhalation	Mist may cause irritation.
Skin Contact	May cause irritation
Eye Contact	May cause irritation
<b>Effects and Symptoms</b>	
<b>skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Causes eye irritation.
<b>Respiratory or skin sensitization</b>	Not classified
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Suspected of damaging fertility.
<b>STOT - single exposure</b>	Not classified
<b>STOT - repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified
<b>Delayed and chronic effects</b>	Not available
<b>Calculated acute toxicity estimate (ATE)</b>	Not available

## 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Harmful to aquatic life with long lasting effects.
<b>12.2 Persistence and degradability</b>	Not available.
<b>12.3 Bioaccumulative potential</b>	Not available.
<b>12.4 Mobility in soil</b>	Not available.
<b>12.5 Results of PBT and VPVB assessment</b>	Not available.
<b>12.6 Other adverse effects</b>	None known

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** Do not empty into drains; dispose of this material and its container in a safe way.
- 13.2 Additional Information** Dispose of contents in accordance with local, state or national legislation.

### 14. SECTION 14: TRANSPORT INFORMATION

- 14.1 DOT / TDG / Road/Rail (ADR/RID)** Not classified as hazardous for road transport.  
Not classified as hazardous for rail transport.
- 14.2 Air (ICAO/IATA)** Not classified as hazardous for air transport.
- 14.3 Sea (IMDG)** Not classified as hazardous for marine transport.

### 15. SECTION 15: REGULATORY INFORMATION

- 15.1 EU regulations**  
REACH Registration No. Polymer exempt.
- Candidate List of Substances of Very High Concern for Authorisation  
Octamethylcyclotetrasiloxane (CAS# 556-67-2) 0.1 – 0.5%  
Decamethylcyclopentasiloxane (CAS# 541-02-6) 0.1 – 0.5%  
Dodecamethylcyclohexasiloxane (CAS# 540-97-6) 0.1 – 0.5%  
1,4-Dioxane (CAS# 123-91-1) < 2 ppm

**15.2 International Inventories**

Country	Listed	Not listed	Polymer exempt	Other
United States (TSCA)		X		
Canada (DSL/NDSL)		X		r-ICL
European Union (EINECS/ELINCS)			✓	
Australia (AICS)	✓			
China (IECSC)		X		
Japan (ENCS)		X		
South Korea (KECI)		X		
Taiwan (TCSI)	✓			
New Zealand (NZIoC)		X		
Philippines (PICCS)		X		

- 15.3 National regulations**  
United States (TSCA) TSCA Inventory Status : All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules). **Personal Care exempt.**  
HMIS (Hazardous Material Information System) **H = 2 / F = 1 / R = 0**  
NFPA Rating **H = 2 / F = 1 / R = 0**
- 15.4 US State Regulations**
- 15.4.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM** Specific Listing(s) not required  
Possible trace amounts of:  
**Ethylene Oxide (CAS# 75-21-8) < 2 ppm**
- 15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER** Specific Listing(s) not required  
Possible trace amounts of:  
**Ethylene Oxide (CAS# 75-21-8) < 2 ppm**  
**1,4-Dioxane (CAS# 123-91-1) < 2 ppm**

**15.4.3 State Right to Know Lists**

Possible trace amounts of:

**Octamethylcyclotetrasiloxane (CAS# 556-67-2)**

**0.1 – 0.5%**

**Ethylene Oxide (CAS# 75-21-8) < 2 ppm**

**1,4-Dioxane (CAS# 123-91-1) < 2 ppm**

## 16. SECTION 16: OTHER INFORMATION

Revision: **February 24, 2022**

### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

### Hazard statement(s) and Precautionary statement(s)

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H361f: Suspected of damaging fertility.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P264: Wash hands and exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P308+P313: IF exposed or concerned: Get medical advice/attention.

### Hazard pictogram(s) and Hazard Symbol



**GHS07**    **GHS08**

### Additional Information

#### Disclaimers

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