



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

| | |
|--|---|
| 1.1 Product identifier | |
| Product Name | Siltech C-4435 |
| Product code | 6289.103 |
| Chemical Name | Mixture |
| CAS No. | Mixture |
| 1.2 Recommended use of the chemical and restrictions on use | |
| Identified use(s) | Additive, Coatings |
| Uses advised against | None known |
| 1.3 Details of the supplier of the Safety Data Sheet | |
| 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 |
| 1.4 Emergency telephone number | |
| Emergency Phone No. | CANUTECH - TELEPHONE: EMERGENCY USE ONLY +1-613-996-6666 |

2. SECTION 2: HAZARDS IDENTIFICATION

| | |
|---|--|
| 2.1 Classification of the substance or mixture | |
| | Skin corrosion/irritation : 2 Serious eye damage/irritation : 1 Skin sensitization : 1 Reproductive toxicity : 2 |
| 2.2 Label elements | |
| Product Name | Siltech C-4435 |
| Symbol | |
| Signal word(s) | DANGER |
| Hazard statement(s) | H315: Causes skin irritation. H318: Causes serious eye damage. H317: May cause an allergic skin reaction. H361f: Suspected of damaging fertility. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash hands and exposed skin thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water. P332+P313: If skin irritation occurs: Get medical advice/attention. P305+P351+P338: IF IN EYES: Rinse cautiously with water |
| Precautionary statement(s) | |

for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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 Mixtures

| Hazardous ingredient(s) | Synonym(s) | %W/W | CAS No. | EC No. | Hazard pictogram(s) and Hazard statement(s) |
|---|------------|----------------|------------|---------------|---|
| Alcohols, C12-14-secondary ethoxylated | N/A | 5 - 20 | 84133-50-6 | None assigned | GHS05, GHS07 H302, H315, H318 |
| Octamethylcyclotetra-siloxane | D4 | 0.1 – 0.7 | 556-67-2 | 209-136-7 | GHS02, GHS08 H226, H361f, H413 |
| 2-bromo-2-nitropropane-1,3-diol | bronopol | 0.016 – 0.018 | 52-51-7 | 200-143-0 | GHS09, GHS05, GHS07 H302, H312, H315, H318, H335, H400 |
| 5-Chloro-2-methyl-3(2H)-isothiazolone mixt. with 2-methyl-3(2H)-isothiazolone | CMIT/MIT | 0.002 – 0.0025 | 55965-84-9 | 611-341-5 | GHS09, GHS05, GHS06 H301, H311, H314, H317, H331, H400, H410 |

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

| | |
|--------------|--|
| Inhalation | Remove persons affected by vapour to fresh air. |
| Skin Contact | Remove contaminated clothing immediately and wash affected skin with soap and water. |
| Eye Contact | If substance has got into the eyes, immediately wash out with plenty of water for several minutes. |
| Ingestion | If swallowed, seek medical advice immediately and show this container or label. |

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

Unlikely to be required but if necessary 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 ³) | STEL (ppm) | STEL (mg/m ³) | Note |
|------------|---------|---------------------|------------------------------------|------------|---------------------------|------|
| None known | | | | | | |

- 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 protective clothing and gloves: (120 min break thru time)
- Respiratory protection  In case of inadequate ventilation wear respiratory protection.
- 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 Opaque Liquid
 Odour Faint.
 Odour Threshold Not available.
 pH Not available.
 Melting Point/Freezing Point Not available.
 Initial boiling point and boiling range Not available.

| | |
|--|-----------------------|
| 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) | 0.98 |
| Solubility(ies) | Dispersible in water. |
| Partition coefficient: n-octanol/water | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition Temperature | Not available. |
| Viscosity (25°C) | 500,000 cps |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |

10. SECTION 10: STABILITY AND REACTIVITY

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

11. SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|--|---|
| 11.1 Information on toxicological effects | |
| Acute toxicity | |
| Ingestion | May be harmful if swallowed. |
| Inhalation | May be harmful if inhaled. |
| Skin Contact | May cause irritation |
| Eye Contact | May cause irritation |
| Effects and Symptoms | |
| skin corrosion/irritation | Repeated and/or prolonged skin contact may cause irritation. |
| Serious eye damage/irritation | May cause irritation to eyes and air passages. |
| Respiratory or skin sensitization | Repeated and/or prolonged contact may cause skin sensitisation. |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Suspected of damaging fertility. |
| STOT - single exposure | Not classified |
| STOT - repeated exposure | Not classified |
| Aspiration hazard | Not classified |
| Delayed and chronic effects | Not available |
| Calculated acute toxicity estimate (ATE) | Not available |

12. SECTION 12: ECOLOGICAL INFORMATION

| | |
|--|----------------|
| 12.1 Toxicity | Not available. |
| 12.2 Persistence and degradability | Not available. |
| 12.3 Bioaccumulative potential | Not available. |
| 12.4 Mobility in soil | Not available. |
| 12.5 Results of PBT and VPVB assessment | Not available. |
| 12.6 Other adverse effects | 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 Contains: (0.1 – 0.7%)
Octamethylcyclotetrasiloxane (CAS# 556-67-2)
Decamethylcyclopentasiloxane (CAS# 541-02-6)
Dodecamethylcyclohexasiloxane (CAS# 540-97-6)
- Contains: 2-bromo-2-nitropropane-1,3-diol (CAS# 52-51-7)
0.016 – 0.018%
3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone (CAS# 55965-84-9) 0.002 – 0.0025%

15.2 International Inventories

| Country | Listed | Not listed | Polymer exempt | Other |
|--------------------------------|--------|------------|----------------|-------|
| United States (TSCA) | ✓ | | | |
| Canada (DSL/NDSL) | DSL✓ | | | |
| European Union (EINECS/ELINCS) | | | ✓ | |
| Australia (AICS) | ✓ | | | |
| China (IECSC) | ✓ | | | |
| Japan (ENCS) | ✓ | | | |
| South Korea (KECI) | ✓ | | | |
| Taiwan (TCSI) | ✓ | | | |
| New Zealand (NZIoC) | ✓ | | | |
| 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).
- HMIS (Hazardous Material Information System) **H = 1 / F = 1 / R = 0**
- NFPA Rating **H = 1 / 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) < 1 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) < 1 ppm
Propylene Oxide (CAS# 75-56-9) < 1 ppm
1,4-Dioxane (CAS# 123-91-1) < 1 ppm

15.4.3 State Right to Know Lists

Specific Listing(s) not required

Possible trace amounts of:

Ethylene Oxide (CAS# 75-21-8) < 1 ppm

Propylene Oxide (CAS# 75-56-9) < 1 ppm

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

16. SECTION 16: OTHER INFORMATION

Revision: **September 10, 2019**

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.

H318: Causes serious eye damage.

H317: May cause an allergic skin reaction.

H361f: Suspected of damaging fertility.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

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

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

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

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

Hazard pictogram(s) and Hazard Symbol



GHS05

GHS07

GHS08

Additional Information

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