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

1.1 Product identifier

- **Product Name**: Siltech C-4445
- **Product code**: 6289.2
- **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-4445
- **Symbol**: DANGER

- **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.
- **Precautionary statement(s)**: 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
3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>Synonym(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Hazard pictogram(s) and Hazard statement(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-14-</td>
<td>N/A</td>
<td>5 - 20</td>
<td>84133-50-6</td>
<td>None assigned</td>
<td>GHS05, GHS07, H302, H315, H318</td>
</tr>
<tr>
<td>secondary ethoxylated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Octamethylcyclotetra-</td>
<td>D4</td>
<td>0.1 – 0.7</td>
<td>556-67-2</td>
<td>209-136-7</td>
<td>GHS02, GHS08, H226, H361I, H413</td>
</tr>
<tr>
<td>siloxane</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-methyl-2H-isothiazol-</td>
<td>MIT</td>
<td>0.004 – 0.005</td>
<td>2682-20-4</td>
<td>220-239-6</td>
<td>GHS09, GHS05, H301, H311, H314, H317, H330, H400, H410</td>
</tr>
<tr>
<td>3(2H)-one</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,2-benzisothiazol-3(2H)-</td>
<td>BIT</td>
<td>0.004 - 0.005</td>
<td>2634-33-5</td>
<td>220-120-9</td>
<td>GHS09, GHS05, GHS07, H302, H315, H317, H318, H400</td>
</tr>
<tr>
<td>one</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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. See Section: 7 & 8.

6.4 Reference to other sections

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

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Ingestion: Harmful if swallowed. Inhalation: Low toxicity under normal conditions of handling and use. Skin Contact: May cause irritation. Eye Contact: May cause irritation.</td>
</tr>
<tr>
<td>Effects and Symptoms</td>
<td>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.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Suspected of damaging fertility.</td>
</tr>
<tr>
<td>STOT - single exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>STOT - repeated exposure</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Delayed and chronic effects</td>
<td>Not available</td>
</tr>
<tr>
<td>Calculated acute toxicity estimate (ATE)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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-methyl-2H-isothiazol-3-one (CAS# 2682-20-4)
0.004 – 0.005%
1,2-benzisothiazol-3(2H)-one (CAS# 2634-33-5)
0.004 – 0.005%

15.2 International Inventories

<table>
<thead>
<tr>
<th>Country</th>
<th>Listed</th>
<th>Not listed</th>
<th>Polymer exempt</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States (TSCA)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada (DSL/NDSL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
<td></td>
<td></td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>China (IECSO)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japan (ENCS)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>South Korea (KECI)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Taiwan (TCSI)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Zealand (NZIoO)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td>✓</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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) 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
16. SECTION 16: OTHER INFORMATION

Revision: September 05, 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

Additional Information

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Siltech Corp. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Siltech Corp. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.