# 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

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Siltech E-2178</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>6051.4</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Mixture</td>
</tr>
<tr>
<td>CAS No.</td>
<td>70131-67-8 / 2943-75-1 / 7732-18-5</td>
</tr>
</tbody>
</table>

### 1.2 Recommended use of the chemical and restrictions on use

<table>
<thead>
<tr>
<th>Identified use(s)</th>
<th>Coatings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additive, intermediate use</td>
<td></td>
</tr>
<tr>
<td>Uses advised against</td>
<td>None known</td>
</tr>
</tbody>
</table>

### 1.3 Details of the supplier of the Safety Data Sheet

<table>
<thead>
<tr>
<th>Company Identification</th>
<th>Siltech Corp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>225 Wicksteed Ave</td>
</tr>
<tr>
<td>Telephone</td>
<td>+1-416-424-4567</td>
</tr>
<tr>
<td>Fax</td>
<td>+1-416-424-3158</td>
</tr>
<tr>
<td>E-Mail (competent person)</td>
<td><a href="mailto:raj@siltech.com">raj@siltech.com</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Location</th>
<th>Siltech Corp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>3265 Wolfeidle Road,</td>
</tr>
<tr>
<td>Telephone</td>
<td>+1-905-270-5534</td>
</tr>
<tr>
<td>Fax</td>
<td>+1-905-270-5816</td>
</tr>
</tbody>
</table>

### 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 Irrit. 2

### 2.2 Label elements

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Siltech E-2178</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbol</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal word(s)</th>
<th>Warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard statement(s)</td>
<td>H315: Causes skin irritation.</td>
</tr>
<tr>
<td>Precautionary statement(s)</td>
<td>P264: Wash hands and exposed skin thoroughly after handling.</td>
</tr>
<tr>
<td></td>
<td>P280: Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td></td>
<td>P302+P352: IF ON SKIN: Wash with plenty of water.</td>
</tr>
<tr>
<td></td>
<td>P332+P313: If skin irritation occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td></td>
<td>P362: Take off contaminated clothing.</td>
</tr>
</tbody>
</table>

### 2.3 Other hazards

None known
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>Triethoxyoctylsilane</td>
<td>Octyltriethoxysilane</td>
<td>10 - 15</td>
<td>2943-75-1</td>
<td>220-941-2</td>
<td>GHS07 : H315</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), alpha-[3,5-dimethyl-1-(2-methylpropyl)hexyl]-omega-hydroxy-</td>
<td>Polyethylene glycol mono (3,5-dimethyl-1-isobutylhexyl) ether</td>
<td>&lt; 1.0</td>
<td>60828-78-6</td>
<td>612-043-8</td>
<td>GHS05 H315, H318</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>Ethanol</td>
<td>&lt; 0.1</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td>GHS02 : H225</td>
</tr>
</tbody>
</table>

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
- Inhalation: Unlikely to be required but if necessary treat symptomatically.
- Skin Contact: Remove contaminated clothing immediately and wash affected skin with soap and water. If irritation develops and persists, get medical attention.
- Eye Contact: If substance has got into the eyes, immediately wash out with plenty of water for several minutes. If irritation develops and persists, get medical attention.
- 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

<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>Ethanol</td>
<td>64-17-5</td>
<td>1000</td>
<td>1920</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 neoprene or nitrile gloves.
- Respiratory protection: No personal respiratory protective equipment normally required.
- 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: Liquid Opaque (Milky white)
- Odour: Faint
- Odour Threshold: Not available
- pH: Not available
- 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
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 Low toxicity under normal conditions of handling and use.
Inhalation Low toxicity under normal conditions of handling and use.
Skin Contact Causes skin irritation.
Eye Contact May cause eye irritation.

Effects and Symptoms
skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation May cause eye irritation.
Respiratory or skin sensitization Not classified
Germ cell mutagenicity Not classified
Carcinogenicity Not classified
Reproductive toxicity Not classified
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.
14.1 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 / Not available
   Candidate List of Possible trace amounts of: (<0.05%)
   Substances of Very High Octamethylcyclotetrasiloxane (CAS# 556-67-2)
   Concern for Authorisation Decamethylcyclopentasiloxane (CAS# 541-02-6)
   Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

15.3 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 (NZIoC)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15.4 National regulations
   United States (TSCA)  TSCA Inventory Status : All chemicals in this product comply
   HMIS (Hazardous Material Information System) with TSCA rules and regulations including TSCA Section 5
   NFPA Rating  H = 1 / F = 1 / R = 0 (Inventory Rules).

15.5 US State Regulations
   15.5.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM
   None known.
   15.5.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER
   None known.
   15.5.3 State Right to Know Lists
   Specific Listing(s) not required
   Possible trace amounts of:
   Ethanol (CAS# 64-17-5) < 0.1%

16. SECTION 16: OTHER INFORMATION

Revision: December 03, 2018

LEGEND
LTEL  Long Term Exposure Limit
STEL  Short Term Exposure Limit
STOT  Specific Target Organ Toxicity

Revision: 4  Page: 5/6  Date: 03/12/2018
Product: **Siltech E-2178**

**DNSL** 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.  
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.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P362: Take off contaminated clothing.

**Hazard pictogram(s) and Hazard Symbol**

![GHS07]

**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.