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-2152</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>6080.2</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

1.2 Recommended use of the chemical and restrictions on use

Identified use(s)  
Coatings  
Additive  
intermediate use

Uses advised against  
None known

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>225 Wicksteed Ave</td>
<td>225 Wicksteed Ave</td>
</tr>
<tr>
<td>Toronto, ON Canada M4H 1G5</td>
<td>Toronto, ON Canada M4H 1G5</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>
<tr>
<td>Additional Location</td>
<td>Siltech Corp</td>
</tr>
<tr>
<td>3265 Wolfedale Road,</td>
<td>3265 Wolfedale Road,</td>
</tr>
<tr>
<td>Mississauga ON Canada L5C 1V8</td>
<td>Mississauga ON Canada L5C 1V8</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

<table>
<thead>
<tr>
<th>Emergency Phone No.</th>
<th>CANUTECH - TELEPHONE: EMERGENCY USE ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>+1-613-996-6666</td>
</tr>
</tbody>
</table>

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

- Skin Irrit. 2
- Eye Dam. 1
- Skin Sens. 1
- Repr. 1B

2.2 Label elements

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Siltech E-2152</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symbol</td>
<td></td>
</tr>
</tbody>
</table>

- Signal word(s)  
Danger

- Hazard statement(s)  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H360FD: May damage fertility. May damage the unborn child.

- Precautionary statement(s)  
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.
### 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>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>7 - 9</td>
<td>60828-78-6</td>
<td>612-043-8</td>
<td>GHS05 H315, H318</td>
</tr>
<tr>
<td>Triethoxycysilane</td>
<td>Octyltriethoxy silane</td>
<td>6 - 8</td>
<td>2943-75-1</td>
<td>220-941-2</td>
<td>GHS07 : H315</td>
</tr>
<tr>
<td>Dibutyltin dilaurate</td>
<td>DBTDL</td>
<td>0.64</td>
<td>77-58-7</td>
<td>201-039-8</td>
<td>GHS05, GHS08, GHS07, GHS09 H302, H314, H317, H341, H360FD, H370, H372, H400,</td>
</tr>
<tr>
<td>2-bromo-2-nitropropane-1,3-diol</td>
<td>bronopol</td>
<td>0.016 – 0.018</td>
<td>52-51-7</td>
<td>200-143-0</td>
<td>GHS09, GHS05,GHS07 H302, H312, H315, H318, H335, H400</td>
</tr>
<tr>
<td>5-Chloro-2-methyl-3(2H)-isothiazolone mixt. with 2-methyl-3(2H)-isothiazolone</td>
<td>CMIT/MIT</td>
<td>0.002 – 0.0025</td>
<td>55965-84-9</td>
<td>611-341-5</td>
<td>GHS09, GHS05, GHS06 H301, H311, H314, H317, H331, H400, H410</td>
</tr>
</tbody>
</table>

#### 2.3 Other hazards

None known

### 4. SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Skin Contact**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

**Eye Contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain immediate medical attention.

**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

Causes serious eye damage. Repeated and/or prolonged contact may cause skin sensitisation.
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 - spills 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>Dibutyltin dilaurate</td>
<td>77-58-7</td>
<td></td>
<td></td>
<td>0.1</td>
<td>0.2</td>
<td>(as Sn)</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 suitable gloves if prolonged skin contact is likely.
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 Liquid Opaque (Milky white)
Odour Faint.
Odour Threshold Not available.
pH 6.0 – 8.0
Melting Point/Freezing Point Not available.
Initial boiling point and boiling range >100°C @ 760mmHg
Flash point (PMCC) >200°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) 1.00
Solubility(ies) Dispersible in water.
Partition coefficient: n-octanol/water Not available.
Auto-ignition temperature Not available.
Decomposition Temperature Not available.
Viscosity (25°C) Not available.
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 disturb the skin.
Eye Contact Causes serious eye damage.

Effects and Symptoms

skin corrosion/irritation Not classified
Serious eye damage/irritation Causes serious eye damage.
Respiratory or skin sensitization May cause sensitization by skin contact.
Germ cell mutagenicity Not classified
Carcinogenicity Not classified
Reproductive toxicity: May damage fertility or the unborn child.

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.

14.2 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 Substances of Very High Concern for Authorisation: Octamethylcyclotetrasiloxane (CAS# 556-67-2)

Decamethylcyclopentasiloxane (CAS# 541-02-6)

Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

Contains: Dibutyltin dilaurate (CAS# 77-58-7) 0.64%

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%

15.3 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>
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<td></td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
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<tr>
<td>Australia (AICS)</td>
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<td>✓</td>
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<tr>
<td>China (IECSC)</td>
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<td>Japan (ENCS)</td>
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<td>Taiwan (TCSI)</td>
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<td>New Zealand (NZIoC)</td>
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<td>Philippines (PICCS)</td>
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<td>✓</td>
</tr>
</tbody>
</table>

15.4 National regulations

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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
None known.

16. SECTION 16: OTHER INFORMATION

Revision: January 14, 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.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H360FD: May damage fertility. May damage the unborn child.
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.
P333+P313: If skin irritation or rash 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.
P310: Immediately call a POISON CENTER/doctor.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container to: Observe Local Regulations.

Hazard pictogram(s) and Hazard Symbol

Additional Information

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