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

1.1 **Product identifier**

- **Product Name**: Siltech E-2145
- **Product code**: 6060
- **Chemical Name**: Mixture
- **Alternative names (INCI)**: Amodimethicone (and) Dimethicone

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

- **Identified use(s)**: Additive
- **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**

- **Class**: Serious eye damage/irritation 1

2.2 **Label elements**

- **Product Name**: Siltech E-2145

- **Signal word(s)**: Danger

- **Hazard statement(s)**: H318: Causes serious eye damage.

- **Precautionary statement(s)**: P280: Wear protective gloves/protective clothing/eye protection/face protection.
  
  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.

- **P501**: Dispose of contents/container to: Observe Local Regulations.

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>Poly(oxy-1,2-ethanediyl), .alpha.-[3,5-dimethyl-1-(2-methylpropyl)]hexyl-omega.-hydroxy-</td>
<td>Polyethylene glycol mono(3,5-dimethyl-1-isobutyl(hexyl) ether</td>
<td>3 - 6</td>
<td>60828-78-6</td>
<td>612-043-8</td>
<td>GHS05 H315, H318</td>
</tr>
</tbody>
</table>

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

<table>
<thead>
<tr>
<th>Description of first aid measures</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin Contact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye Contact</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 - 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

<table>
<thead>
<tr>
<th>Condition</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
<td>Ambient</td>
</tr>
<tr>
<td>Storage Life</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Oxidizing agents</td>
</tr>
</tbody>
</table>

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 assigned</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 suitable gloves.

Rubber, Neoprene, Nitrile 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid, White</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>8.0 – 9.5</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt;100°C @ 760mmHg</td>
</tr>
<tr>
<td>Flash point (PMCC)</td>
<td>&gt;100°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density / Specific Gravity (25°C)</td>
<td>1.00</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
</tbody>
</table>
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: May cause irritation
- 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: 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.

14.2 Sea (IMDG)
Not classified as hazardous for marine transport.

14.3 Air (ICAO/IATA)
Not classified as hazardous for air transport.
15. SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

REACH Registration No. Polymer exempt.

Possible trace amounts of: < 0.1%
- Octamethylcyclotetrasiloxane (CAS# 556-67-2)
- Decamethylcyclopentasiloxane (CAS# 541-02-6)
- Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

Contains:
- 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione (DMDMH) (CAS# 6440-58-0) 0.16%
- Formaldehyde (CAS# 50-00-0) < 0.003%

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>DSL</td>
<td></td>
</tr>
<tr>
<td>European Union (EINECS/ELINCS)</td>
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</tr>
<tr>
<td>Australia (AICS)</td>
<td></td>
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<tr>
<td>China (IECSO)</td>
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<tr>
<td>Japan (ENCS)</td>
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<tr>
<td>South Korea (KECI)</td>
<td></td>
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<tr>
<td>Taiwan (TCSI)</td>
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<tr>
<td>New Zealand (NZIoC)</td>
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<tr>
<td>Philippines (PICCS)</td>
<td></td>
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</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) H = 1 / F = 0 / R = 0

NFPA Rating

15.4 US State Regulations

15.4.1 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM None known.

15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

Specific Listing(s) not required
- Possible trace amounts of:
  - Formaldehyde (CAS# 50-00-0) < 30 ppm

15.4.3 State Right to Know Lists

Specific Listing(s) not required
- Possible trace amounts of:
  - Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%
  - Formaldehyde (CAS# 50-00-0) < 30 ppm

16. SECTION 16: OTHER INFORMATION

Revision: November 11, 2019

LEGEND

LTLE 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)

H318: Causes serious eye damage.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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.

Hazard pictogram(s) and Hazard Symbol

GHS05

Additional Information

Disclaimers

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