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-4135</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>6088</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Mixture</td>
</tr>
<tr>
<td>CAS No.</td>
<td>71750-80-6 / 60828-78-6 / 7732-18-5</td>
</tr>
<tr>
<td>Alternative names (INCI)</td>
<td>Amodimethicone</td>
</tr>
</tbody>
</table>

1.2 Recommended use of the chemical and restrictions on use

- Identified use(s): Additive, Surface active agent
- 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>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>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
- Eye Dam. 1

2.2 Label elements

| Product Name | Siltech E-4135 |

<table>
<thead>
<tr>
<th>Signal word(s)</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard statement(s)</td>
<td>H315: Causes skin irritation. H318: Causes serious eye damage.</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>Siloxanes and Silicones, di-Me, [[3-[(2-aminoethyl)amino]propyl]dimethyl]oxy][oxy]-terminated</td>
<td>Amodimethicone</td>
<td>20 - 35</td>
<td>71750-80-6</td>
<td>Not applicable</td>
<td>H320</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>10 - 15</td>
<td>60828-78-6</td>
<td>612-043-8</td>
<td>GHS05, GHS07 H315, H318</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 skin irritation occurs, get medical advice/attention.

**Eye Contact**: If substance has got into the eyes, immediately wash out with plenty of water for several minutes. If eye irritation persists, get medical advice/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

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
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 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 if prolonged skin contact is likely.

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
Colourless liquid.
Odour
Faint.
Odour Threshold
Not available.

pH
5.0 – 6.0
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: Causes serious eye damage.

Effects and Symptoms
- skin corrosion/irritation: Causes skin irritation.
- 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.
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.

SECTION 15: REGULATORY INFORMATION

15.1 EU regulations

REACH Registration No. Polymer exempt.

Candidate List of Possible trace amounts of: (<0.1%)
Substances of Very High Octamethycyclosiloxane (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>
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<tr>
<td>Australia (AICS)</td>
<td>✓</td>
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<td></td>
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<tr>
<td>China (IECSC)</td>
<td>✓</td>
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<td></td>
<td></td>
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<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>
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<td></td>
</tr>
</tbody>
</table>

15.4 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

15.5 US State Regulations

15.5.1 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) < 1ppm

15.5.2 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) < 1ppm
1,4-Dioxane (CAS# 123-91-1) < 1 ppm

15.5.3 State Right to Know Lists

Specific Listing(s) not required
Possible trace amounts of:
Ethylene Oxide (CAS# 75-21-8) < 1ppm
1,4-Dioxane (CAS# 123-91-1) < 1 ppm
16. SECTION 16: OTHER INFORMATION

Revision: November 26, 2018

LEGEND

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTEL</td>
<td>Long Term Exposure Limit</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limit</td>
</tr>
<tr>
<td>STOT</td>
<td>Specific Target Organ Toxicity</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No Effect Level</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No Effect Concentration</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
</tr>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
</tbody>
</table>

Hazard statement(s) and Precautionary statement(s)

H315: Causes skin irritation.
H318: Causes serious eye damage.
H320: Causes eye 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.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313: If skin irritation occurs: Get medical advice/attention.

Hazard pictogram(s) and Hazard Symbol

![Hazard symbols](image)

GHS05  GHS07

Additional Information

Disclaimers

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