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

1.1 Product identifier
   Product Name: Siltech E-2149
   Product code: 6064.2
   Chemical Name: Mixture
   CAS No.: 68554-54-1 / 112-02-7 / 24938-91-8 / 7732-18-5
   Alternative names (INCI): Amodimethicone (and) Cetrimonium Chloride (and) Trideceth-12

1.2 Recommended use of the chemical and restrictions on use
   Identified use(s): PC39 Cosmetics, personal care products
   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
   Acute Tox. 4 : Oral
   Skin corrosion/irritation : 2
   Serious eye damage/irritation : 1

2.2 Label elements
   Product Name: Siltech E-2149
   Symbol: DANGER
   Signal word(s): 
   Hazard statement(s): H302: Harmful if swallowed.
   H315: Causes skin irritation.
   H318: Causes serious eye damage.
   Precautionary statement(s): P264: Wash hands and exposed skin thoroughly after handling.
   P270: Do not eat, drink or smoke when using this product.
   P280: Wear protective gloves/protective clothing/eye protection/face protection.
   P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor/….if you feel unwell.
   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.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container to: Observe Local Regulations.
None known

2.3 Other hazards

### 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>1-Hexadecanaminium, N,N,N-trimethyl-, chloride (1:1)</td>
<td>Cetrimonium chloride</td>
<td>5 - 10</td>
<td>112-02-7</td>
<td>203-928-6</td>
<td>GHS05, GHS07, GHS09 H302, H315, H318, H400</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-omega.-hydroxy-</td>
<td>Trideceth-12</td>
<td>1 - 6</td>
<td>24938-91-8</td>
<td>607-463-3</td>
<td>GHS05, GHS07 H302, H318</td>
</tr>
<tr>
<td>Sodium benzoate</td>
<td>Benzoic acid sodium salt</td>
<td>0.2 – 1</td>
<td>532-32-1</td>
<td>208-534-8</td>
<td>GHS07 : H303, H319</td>
</tr>
</tbody>
</table>

#### 4. SECTION 4: FIRST AID MEASURES

![First Aid Icon]

#### 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

Treat symptomatically.

#### 5. SECTION 5: FIRE-FIGHTING MEASURES

![Fire Icon]

#### 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.

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>Methanol</td>
<td>67-56-1</td>
<td>200</td>
<td>250</td>
<td>200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylenediamine</td>
<td>107-15-3</td>
<td>10</td>
<td>25</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
Characteristic odour.
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 Harmful if swallowed.
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 Repeated and/or prolonged skin contact may cause 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.

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
Possible trace amounts of:
- Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%
- Decamethylcyclopentasiloxane (CAS# 541-02-6) < 0.1%
- Dodecamethylcyclohexasiloxane (CAS# 540-97-6) < 0.1%
- Ethylenediamine (CAS# 107-15-3) < 0.006%

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>
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<tr>
<td>China (IECS)</td>
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<td>Japan (ENCS)</td>
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<td>South Korea (KECI)</td>
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<td>Taiwan (TCSI)</td>
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<tr>
<td>New Zealand (NZIoC)</td>
<td>✓</td>
<td></td>
<td></td>
<td></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 = 1 / R = 0

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:
- Methanol (CAS# 67-56-1) < 0.006%

15.4.2 SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER
None known.

15.4.3 State Right to Know Lists
Specific Listing(s) not required
Possible trace amounts of:
- Octamethylcyclotetrasiloxane (CAS# 556-67-2) < 0.1%
- Methanol (CAS# 67-56-1) < 0.006%
SECTION 16: OTHER INFORMATION

Revision: January 29, 2020

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)
H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

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.