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

1.1 Product identifier
Product Name: Silamine Di-AEAP
Product Code: 4911
Chemical Name: Siloxanes and Silicones, di-Me, [[3-([2-aminoethyl]amino)propyl]dimethoxysilyl]oxy]-terminated
CAS No.: 71750-80-6

1.2 Recommended use of the chemical and restrictions on use
Identified use(s):
- SU5 Manufacture of textiles, leather, fur
- PC34 Textile dyes, finishing and impregnating products; including bleaches and other processing aids
- PC15 Non-metal-surface treatment products

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
Skin Irrit.: 2
Eye Irrit.: 2

2.2 Label elements
Product Name: Silamine Di-AEAP
Symbol:

Signal word(s): Warning
Hazard statement(s):
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
Precautionary statement(s):
- 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.
### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

<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, [[(2-aminoethyl)aminopropyl] dimethoxysilyl]oxy]-terminated Aminoethyl aminopropyl polysiloxane</td>
<td>95 - 100</td>
<td>71750-80-6</td>
<td>Polymer exempt</td>
<td>GHS07, H315, H319</td>
<td></td>
</tr>
<tr>
<td>Octamethylcyclotetrasiloxane</td>
<td>D4</td>
<td>0.1 – 0.5</td>
<td>556-67-2</td>
<td>209-136-7</td>
<td>GHS02, GHS08, H226, H361f, H413</td>
</tr>
</tbody>
</table>

### 4. SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

- **Inhalation**: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **Skin Contact**: Remove contaminated clothing immediately and wash affected skin with soap and water. Obtain medical attention if ill effects occur.
- **Eye Contact**: If substance has got into the eyes, immediately wash out with plenty of water for several minutes. Obtain medical attention if ill effects occur.
- **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.

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>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. Nitrile rubber, Neoprene, 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

- **Appearance**: Colourless to yellowish liquid.
- **Odour**: Characteristic odour.
- **Odour Threshold**: Not available.
### 10. SECTION 10: STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1</td>
<td>Reactivity</td>
</tr>
<tr>
<td>10.2</td>
<td>Chemical stability</td>
</tr>
<tr>
<td>10.3</td>
<td>Possibility of hazardous reactions</td>
</tr>
<tr>
<td>10.4</td>
<td>Conditions to avoid</td>
</tr>
<tr>
<td>10.5</td>
<td>Incompatible materials</td>
</tr>
<tr>
<td>10.6</td>
<td>Hazardous Decomposition Product(s)</td>
</tr>
</tbody>
</table>

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.1</td>
<td>Information on toxicological effects</td>
</tr>
<tr>
<td></td>
<td>Acute toxicity</td>
</tr>
<tr>
<td></td>
<td>Ingestion</td>
</tr>
<tr>
<td></td>
<td>Inhalation</td>
</tr>
<tr>
<td></td>
<td>Skin Contact</td>
</tr>
<tr>
<td></td>
<td>Eye Contact</td>
</tr>
<tr>
<td></td>
<td>Effects and Symptoms</td>
</tr>
<tr>
<td></td>
<td>Serious eye damage/irritation</td>
</tr>
<tr>
<td></td>
<td>Respiratory or skin sensitization</td>
</tr>
<tr>
<td></td>
<td>Germ cell mutagenicity</td>
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<tr>
<td></td>
<td>Carcinogenicity</td>
</tr>
<tr>
<td></td>
<td>Reproductive toxicity</td>
</tr>
<tr>
<td></td>
<td>STOT - single exposure</td>
</tr>
<tr>
<td></td>
<td>STOT - repeated exposure</td>
</tr>
<tr>
<td></td>
<td>Aspiration hazard</td>
</tr>
<tr>
<td></td>
<td>Delayed and chronic effects</td>
</tr>
<tr>
<td></td>
<td>Calculated acute toxicity estimate (ATE)</td>
</tr>
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</table>

### 12. SECTION 12: ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.1</td>
<td>Toxicity</td>
</tr>
<tr>
<td>12.2</td>
<td>Persistence and degradability</td>
</tr>
<tr>
<td>12.3</td>
<td>Bioaccumulative potential</td>
</tr>
<tr>
<td>12.4</td>
<td>Mobility in soil</td>
</tr>
<tr>
<td>12.5</td>
<td>Results of PBT and VPVB assessment</td>
</tr>
<tr>
<td>12.6</td>
<td>Other adverse effects</td>
</tr>
</tbody>
</table>
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.
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.

Candidate List of Substances of Very High Concern for Authorisation Possible trace amounts of: (0.1 – 0.5%) Octamethylcyclotetrasiloxane (CAS# 556-67-2) Decamethylcyclopentasiloxane  (CAS# 541-02-6) Dodecamethylcyclohexasiloxane (CAS# 540-97-6)

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>
<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 (IECSC)</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>

15.3 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 = 2  /  F = 0  /  R =0

NFPA Rating
H = 2  /  F = 0  /  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
None known.

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

15.4.3 State Right to Know Lists
None known.
16. SECTION 16: OTHER INFORMATION

Revision: October 31, 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>

References:

Hazard statement(s) and Precautionary statement(s)

H315: Causes skin irritation.
H319: Causes serious 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.
P337+P313: If eye irritation persists: Get medical advice/attention.

Hazard pictogram(s) and Hazard Symbol

GHS07

Training advice:

Additional Information

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