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

1.1 **Product identifier**
- **Product Name**: Silamine AS
- **Product code**: 4865
- **Chemical Name**: Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, 3-hydroxypropyl Me, ethoxylated
- **CAS No.**: 192588-02-6

1.2 **Recommended use of the chemical and restrictions on use**
- **Identified use(s)**: Dying and finishing of textiles leather or paper.
  - Fabric Softener, 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**
- **Skin Irrit.** 2
- **Eye Irrit.** 2

2.2 **Label elements**
- **Product Name**: Silamine AS
- **Symbol**: "!

  **Signal word(s)**: Warning
  **Hazard statement(s)**: H315: Causes skin irritation. H319: Causes serious eye irritation.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<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, 3-[2-aminoethyl]amino]propyl Me, di-</td>
<td>Aminated Polydimethylsiloxane</td>
<td>95 - 100</td>
<td>192588-02-6</td>
<td>Polymer exempt</td>
<td>GHS07 H315, H319</td>
</tr>
<tr>
<td>Hydroxypropyl Me, ethoxylated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Octamethylocyclotetrasiloxane</td>
<td>D4</td>
<td>&lt; 0.5</td>
<td>556-67-2</td>
<td>209-136-7</td>
<td>GHS02, GHS08 H226, H3611, 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.

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</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
Coloured liquid (Yellow)

Odour
Characteristic odour.

Odour Threshold
Not available.

pH
10 - 11

Melting Point/Freezing Point
Not available.

Initial boiling point and boiling range
>100°C @ 760mmHg

Flash point (PMCC)
>100°C
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
Mist may cause irritation.

Skin Contact
May cause irritation

Eye Contact
May cause irritation

Effects and Symptoms

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/irritation
Causes eye irritation.

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.  
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:  
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>✓</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>X</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>X</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 = 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:  
Ethylene Oxide (CAS# 75-21-8) < 1ppm

15.4.2 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

15.4.3 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: October 31, 2018

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

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

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.