SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

<table>
<thead>
<tr>
<th>Product form</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Substance name</td>
<td>GELEST SERICITE AS</td>
</tr>
<tr>
<td>Product code</td>
<td>SAA-ASA</td>
</tr>
<tr>
<td>Synonyms</td>
<td>MICA; C.I. 77019</td>
</tr>
<tr>
<td></td>
<td>SILSESQUIOXANES, OCTYL</td>
</tr>
<tr>
<td>Other means of identification</td>
<td>INCI NAME: MICA (&amp;) POLYCAPRYLYLSILSESQUIOXANE</td>
</tr>
</tbody>
</table>

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture: Cosmetics, personal care products

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GELEST, INC.
11 East Steel Road
Morrisville, PA 19067
USA
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST
info@gelest.com - www.gelest.com

GELEST INC.
Fritz-Klatte-Strasse 8
65933 Frankfurt
Germany
T +49 (0) 69 3535106-500 - F +49 (0) 69 3535106-501 - (M-F): 8:00 AM - 4:00 PM
info@gelestde.com - www.gelestde.com

1.4. Emergency telephone number

Emergency number: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
EUH-statements: EUH210 - Safety data sheet available on request.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

<table>
<thead>
<tr>
<th>Substance type</th>
<th>Multi-constituent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>GELEST SERICITE AS</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>12001-26-2 (&amp;) 1385031-14-0</td>
</tr>
</tbody>
</table>
### Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP]
--- | --- | --- | ---
Mica | (CAS-No.) 12001-26-2 (EC-No.) 601-648-2 | 98 - 99 | Not classified  
Polycaprylsilsesquioxane | (CAS-No.) 1385031-14-0 | 1 - 2 | Not classified

Full text of H-statements: see section 16

#### 3.2. Mixtures
Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

| First-aid measures general | Description of first aid measures | Additional Information |
--- | --- | ---
Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. |  |  
Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. |  |  
Wash with plenty of water/…. Get medical advice/attention. |  |  
Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. |  |  
Never give anything by mouth to an unconscious person. Get medical advice/attention. |  |  

#### 4.2. Most important symptoms and effects, both acute and delayed

| Symptoms/effects after inhalation | Description of symptoms/effects | Additional Information |
--- | --- | ---
May cause respiratory irritation, if inhaled. |  |  
May cause mild skin irritation. |  |  
May cause mild eye irritation. |  |  
May be hazardous in case of ingestion. Symptoms include gastrointestinal tract upset and diarrhea. |  |  

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

| Suitable extinguishing media | Description of extinguishing media | Additional Information |
--- | --- | ---
Non-combustible. Use an extinguishing agent suitable for the surrounding fire. |  |  
None known. |  |  

#### 5.2. Special hazards arising from the substance or mixture

| Fire hazard | Description of fire hazard | Additional Information |
--- | --- | ---
Not combustible. No special exposure hazards arise from its presence in the area of a fire. |  |  

#### 5.3. Advice for firefighters

| Firefighting instructions | Description of firefighting instructions | Additional Information |
--- | --- | ---
Exercise caution when fighting any chemical fire. |  |  
Do not enter fire area without proper protective equipment, including respiratory protection. Avoid contact with skin and eyes. Do not breathe dust. |  |  

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

| For non-emergency personnel | Description of personal precautions | Additional Information |
--- | --- | ---
Wear protective equipment as described in Section 8. |  |  
Evacuate unnecessary personnel. |  |  

| For emergency responders | Description of emergency precautions | Additional Information |
--- | --- | ---
Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection". |  |  

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

| Methods for cleaning up | Description of methods for cleaning up | Additional Information |
--- | --- | ---
If the product is clean and dry, shovel, vacuum or sweep up and return to container for use. Otherwise sweep or vacuum for disposal. |  |  

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.
SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with skin and eyes. Do not breathe dust. Keep all floors, workstation, stairs and handrails clean and dry. Provide local exhaust or general room ventilation to minimize exposure to dust.

Hygiene measures: Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

No additional information available

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>GELEST SERICITE AS (12001-26-2) &amp; 1385031-14-0</th>
<th>Ireland</th>
<th>OEL (15 min ref) (mg/m3)</th>
<th>30 mg/m³ (calculated-total inhalable dust) 2.4 mg/m³ (calculated-respirable dust)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mica (12001-26-2)</strong></td>
<td>Austria</td>
<td>MAK (mg/m³)</td>
<td>10 mg/m³ (inhalable fraction)</td>
</tr>
<tr>
<td></td>
<td>Belgium</td>
<td>Limit value (mg/m³)</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Bulgaria</td>
<td>OEL TWA (mg/m³)</td>
<td>3 mg/m³ (containing &lt;2% free Crystalline silicon dioxide in respirable fraction)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6 mg/m³ (containing &lt;2% free Crystalline silicon dioxide in respirable fraction)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6 mg/m³ (containing &lt;2% free Crystalline silicon dioxide in respirable fraction)</td>
</tr>
<tr>
<td></td>
<td>Italy - Portugal - USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>3 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td></td>
<td>USA IDLH</td>
<td>US IDLH (mg/m³)</td>
<td>1500 mg/m³ (containing &lt;1% quartz)</td>
</tr>
<tr>
<td></td>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>3 mg/m³ (containing &lt;1% Quartz-respirable dust)</td>
</tr>
<tr>
<td></td>
<td>Spain</td>
<td>VLA-ED (mg/m³)</td>
<td>3 mg/m³ (this value is for the particulate matter that is free from Asbestos and contains less than 1% of Crystalline silica-respirable fraction)</td>
</tr>
<tr>
<td></td>
<td>Switzerland</td>
<td>MAK (mg/m³)</td>
<td>3 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td></td>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>10 mg/m³ (total inhalable)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.8 mg/m³ (respirable)</td>
</tr>
<tr>
<td></td>
<td>United Kingdom</td>
<td>WEL STEL (mg/m³)</td>
<td>30 mg/m³ (calculated-total inhalable)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2.4 mg/m³ (calculated-respirable)</td>
</tr>
<tr>
<td></td>
<td>Czech Republic</td>
<td>Expoziční limity (PEL) (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Ireland</td>
<td>OEL (8 hours ref) (mg/m³)</td>
<td>10 mg/m³ (total inhalable dust)</td>
</tr>
<tr>
<td></td>
<td>Ireland</td>
<td>OEL (15 min ref) (mg/m3)</td>
<td>30 mg/m³ (calculated-total inhalable dust)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2.4 mg/m³ (calculated-respirable dust)</td>
</tr>
<tr>
<td></td>
<td>Norway</td>
<td>Grenseverdier (AN) (mg/m³)</td>
<td>6 mg/m³ (total dust)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td></td>
<td>Norway</td>
<td>Grenseverdier (Kortlidsverdi) (mg/m3)</td>
<td>6 mg/m³ (total dust)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td></td>
<td>Romania</td>
<td>OEL TWA (mg/m³)</td>
<td>3 mg/m³ (inhalable fraction, dust)</td>
</tr>
<tr>
<td></td>
<td>Slovakia</td>
<td>NPHV (priemerná) (mg/m³)</td>
<td>2 mg/m³ (respirable fraction, 5% or less fibrogenic component)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg/m³ (respirable fraction, greater than 5% fibrogenic component)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg/m³ (total aerosol)</td>
</tr>
<tr>
<td></td>
<td>Canada (Quebec)</td>
<td>VEMP (mg/m³)</td>
<td>3 mg/m³ (containing no Asbestos and &lt;1% Crystalline silica-respirable dust)</td>
</tr>
<tr>
<td></td>
<td>Australia</td>
<td>TWA (mg/m³)</td>
<td>2.5 mg/m³ (inspirable)</td>
</tr>
<tr>
<td></td>
<td>Portugal</td>
<td>OEL TWA (mg/m³)</td>
<td>3 mg/m³ (respirable fraction)</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

Appropriate engineering controls:
Provide local exhaust or general room ventilation.

Personal protective equipment:
Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:
Neoprene or nitrile rubber gloves

Eye protection:
Safety glasses. Contact lenses should not be worn

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified dust and mist (orange cartridge) respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Solid
Appearance: Powder.
Colour: White to off-white.
Odour: Slight, characteristic.
Odour threshold: No data available
Refractive index: No additional information available
pH: No data available
Relative evaporation rate (butylacetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapour pressure: No data available
Relative vapour density at 20 °C: No data available
Relative density: No data available
Solubility: Insoluble in water.
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: No data available
Oxidising properties: No data available
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
No additional information available

10.6. Hazardous decomposition products
No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Reproductive toxicity             | Not classified |
STOT-single exposure               | Not classified |
STOT-repeated exposure             | Not classified |
Aspiration hazard                  | Not classified |
Potential adverse human health effects and symptoms: Delayed effects: Prolonged inhalation of dust may be harmful, can cause slight lung fibrosis and pneumoconiosis.
Symptoms/effects after inhalation | May cause respiratory irritation, if inhaled.
Symptoms/effects after skin contact | May cause mild skin irritation.
Symptoms/effects after eye contact | May cause mild eye irritation.
Symptoms/effects after ingestion | May be hazardous in case of ingestion. Symptoms include gastrointestinal tract upset and diarrhea.

SECTION 12: Ecological Information

12.1. Toxicity

| Acute aquatic toxicity           | Not classified |
| Chronic aquatic toxicity         | Not classified |

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Other adverse effects
Other adverse effects: No known dangerous effects on the environment.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

| Sewage disposal recommendations | Do not dispose of waste into sewer. |
| Product/Packaging disposal recommendations | Dry material can be landfilled. Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials       | Avoid release to the environment. |

SECTION 14: Transport Information

14.1. UN number
In accordance with ADR / RID / IMDG / IATA / ADN
14.1. UN number

| UN-No. (ADR) | Not applicable |
| UN-No. (IMDG) | Not applicable |
| UN-No. (IATA) | Not applicable |
| UN-No. (ADN) | Not applicable |
| UN-No. (RID) | Not applicable |

14.2. UN proper shipping name

| Proper Shipping Name (ADR) | Not applicable |
| Proper Shipping Name (IMDG) | Not applicable |
| Proper Shipping Name (IATA) | Not applicable |
| Proper Shipping Name (ADN) | Not applicable |
| Proper Shipping Name (RID) | Not applicable |

14.3. Transport hazard class(es)

| ADR | Transport hazard class(es) (ADR) | Not applicable |
| IMDG | Transport hazard class(es) (IMDG) | Not applicable |
| IATA | Transport hazard class(es) (IATA) | Not applicable |
| ADN | Transport hazard class(es) (ADN) | Not applicable |
| RID | Transport hazard class(es) (RID) | Not applicable |

14.4. Packing group

| Packing group (ADR) | Not applicable |
| Packing group (IMDG) | Not applicable |
| Packing group (IATA) | Not applicable |
| Packing group (ADN) | Not applicable |
| Packing group (RID) | Not applicable |

14.5. Environmental hazards

| Dangerous for the environment | No |
| Marine pollutant | No |
| Other information | No supplementary information available |

14.6. Special precautions for user

- Overland transport
  Not applicable

- Transport by sea
  Not applicable

- Air transport
  Not applicable

- Inland waterway transport
  Not applicable

- Rail transport
  Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable
SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

GELEST SERICITE AS is not on the REACH Candidate List

GELEST SERICITE AS is not on the REACH Annex XIV List

GELEST SERICITE AS is not subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.


15.1.2. National regulations

Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen: The substance is not listed

SZW-lijst van mutagene stoffen: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling: The substance is not listed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Abbreviations and acronyms:

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor

Other information: Prepared by safety and environmental affairs.

Full text of H- and EUH-statements:

EUH210 Safety data sheet available on request.

SDS EU (REACH Annex II) - Custom

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specifications.