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

1.1. Product identifier

- **Product form**: Substance
- **Physical state**: Liquid
- **Substance name**: 3-(HYDROXY(POLYETHYLENEOXY)PROPYL)-HEPTAMETHYLTRISILOXANE, 90%
- **Product code**: SIH6185.0
- **Synonyms**: MONOHYDROXYETHYLENENOXYPROPYLTRISILOXANE; 3-(POLYOXYETHYLENE)PROPYLHEPTAMETHYLTRISILOXANE
- **Chemical family**: ORGANOSILOXANE

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**: Chemical intermediate

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.gelest.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-statement**: EUH210 - Safety data sheet available on request.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

- **Substance type**: Multi-constituent
- **Name**: 3-(HYDROXY(POLYETHYLENEOXY)PROPYL)-HEPTAMETHYLTRISILOXANE, 90%
- **CAS-No.**: 67674-67-3
- **EC-No.**: 614-100-2
**3-[HYDROXY(POLYETHYLENEOXY)PROPYL]-HEPTAMETHYLTRISILOXANE, 90%**

Safety Data Sheet

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-[Hydroxy(polyethyleneoxy)propyl]heptamethyltrisiloxane</td>
<td>(CAS-No.) 67674-67-3</td>
<td>&gt; 90</td>
<td>Not classified</td>
</tr>
<tr>
<td>Allyloxy(polyethylene oxide), methyl ether</td>
<td>(CAS-No.) 27252-80-8</td>
<td>&lt; 10</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
</tbody>
</table>

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**: 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.

- **First-aid measures after inhalation**: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

- **First-aid measures after skin contact**: Wash with plenty of water/....

- **First-aid measures after eye contact**: 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.

- **First-aid measures after ingestion**: 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**: No information available.

- **Symptoms/effects after skin contact**: May cause skin irritation.

- **Symptoms/effects after eye contact**: May cause eye irritation.

- **Symptoms/effects after ingestion**: May be harmful if swallowed.

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

No additional information available

#### SECTION 5: Firefighting measures

**5.1. Extinguishing media**


- Unsuitable extinguishing media: None known.

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

- Fire hazard: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

**5.3. Advice for firefighters**

- Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

- Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapour and mist.

#### SECTION 6: Accidental release measures

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

**6.1.1. For non-emergency personnel**

- Emergency procedures: Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

- Protective equipment: Equip cleanup crew with proper protection.

**6.2. Environmental precautions**

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

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

- Methods for cleaning up: Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

**6.4. Reference to other sections**

See Section 8. Exposure controls and personal protection.
# 3-[HYDROXY(POLYETHYLENEOXY)PROPYL]-HEPTAMETHYLTTrimSILOXANE, 90%

## Safety Data Sheet

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

<table>
<thead>
<tr>
<th>Precautions for safe handling</th>
<th>Avoid all eye and skin contact and do not breathe vapour and mist. Provide local exhaust or general room ventilation to minimize exposure to dust.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hygiene measures</td>
<td>Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.</td>
</tr>
</tbody>
</table>

#### 7.2. Conditions for safe storage, including any incompatibilities

<table>
<thead>
<tr>
<th>Storage conditions</th>
<th>Keep container tightly closed.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incompatible materials</td>
<td>Oxidizing agent.</td>
</tr>
<tr>
<td>Storage area</td>
<td>Store in a well-ventilated place. Store away from heat.</td>
</tr>
</tbody>
</table>

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 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:**

Chemical goggles. 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 organic vapor (black cartridge) respirator.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear liquid.</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>550 – 650 g/mol</td>
</tr>
<tr>
<td>Colour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Refractive index</td>
<td>1.4463</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>-18 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>&gt; 205 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>118 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.02</td>
</tr>
</tbody>
</table>
3-[HYDROXY(POLYETHYLENEOXY)PROPYL]-HEPTAMETHYLTRISILOXANE, 90%
Safety Data Sheet

<table>
<thead>
<tr>
<th>% Volatiles</th>
<th>&lt; 5 %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solubility</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Pow)</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient n-octanol/water (Log Kow)</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No additional information available

10.2. Chemical stability
Stable.

10.3. Possibility of hazardous reactions
No additional information available

10.4. Conditions to avoid
Heat. Open flame. Sparks.

10.5. Incompatible materials
Oxidizing agent.

10.6. Hazardous decomposition products
Organic acid vapors. Silicon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Not classified

**Allyloxy(polyethylene oxide), methyl ether (27252-80-8)**

<table>
<thead>
<tr>
<th>LD50 oral rat</th>
<th>&gt; 500 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE CLP (oral)</td>
<td>500 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitisation: 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

Symptoms/effects after inhalation: No information available.
Symptoms/effects after skin contact: May cause skin irritation.
Symptoms/effects after eye contact: May cause eye irritation.
Symptoms/effects after ingestion: May be harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity
Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

12.2. Persistence and degradability
No additional information available
### 3-[HYDROXY(POLYETHYLENEOXY)PROPYL]-HEPTAMETHYLTRISILOXANE, 90%

**Safety Data Sheet**

<table>
<thead>
<tr>
<th>Section</th>
<th>Subsection</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.3</td>
<td>Bioaccumulative potential</td>
<td>No additional information available</td>
</tr>
<tr>
<td>12.4</td>
<td>Mobility in soil</td>
<td>No additional information available</td>
</tr>
<tr>
<td>12.5</td>
<td>Results of PBT and vPvB assessment</td>
<td>No additional information available</td>
</tr>
<tr>
<td>12.6</td>
<td>Other adverse effects</td>
<td>No additional information available</td>
</tr>
</tbody>
</table>

### SECTION 13: Disposal considerations

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.1 Waste treatment methods</td>
<td>Dispose in a safe manner in accordance with local/national regulations. Incinerate.</td>
</tr>
<tr>
<td>Ecology - waste materials</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

### SECTION 14: Transport information

<table>
<thead>
<tr>
<th>Subsection</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1 UN number</td>
<td>In accordance with ADR / IMDG / IATA / ADN / RID</td>
</tr>
<tr>
<td>14.1.1 UN number</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ADR Transport hazard class(es) (ADR)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>IMDG Transport hazard class(es) (IMDG)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>IATA Transport hazard class(es) (IATA)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ADN Transport hazard class(es) (ADN)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>RID Transport hazard class(es) (RID)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group (ADR)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group (IMDG)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group (IATA)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group (ADN)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group (RID)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>No supplementary information available</td>
</tr>
<tr>
<td>Dangerous for the environment</td>
<td>No</td>
</tr>
<tr>
<td>Marine pollutant</td>
<td>No</td>
</tr>
<tr>
<td>Other information</td>
<td>No supplementary information available</td>
</tr>
</tbody>
</table>
3-[HYDROXY(POLYETHYLENEOXY)PROPYL]-HEPTAMETHYLTRISILOXANE, 90%
Safety Data Sheet

14.6. Special precautions for user

- Overland transport
  No data available

- Transport by sea
  No data available

- Air transport
  No data available

- Inland waterway transport
  No data available

- Rail transport
  No data available

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

Not listed on the POP list (Regulation EU 2019/1021)
Not listed on the REACH Candidate List
Not listed on REACH Annex XIV (Authorisation List)
Not listed on the PIC list (Regulation EU 649/2012)

% Volatiles : < 5 %

15.1.2. National regulations

Germany
Regulatory reference : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)
Hazardous Incident Ordinance (12. BlmSchV) : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

Netherlands
SZW-lijst van kankerverwekkende stoffen : The substance is not listed
SZW-lijst van mutagene stoffen : The substance is not listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbbaarheid : The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Abbreviations and acronyms:
3-[HYDROXY(POLYETHYLENEOXY)PROPYL]-HEPTAMETHYLTRISILOXANE, 90%
Safety Data Sheet

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:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral), Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH210</td>
<td>Safety data sheet available on request.</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II) - Custom
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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