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

1.1. Product identifier

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product form</td>
<td>Mixture</td>
</tr>
<tr>
<td>Physical state</td>
<td>Gas</td>
</tr>
<tr>
<td>Product name</td>
<td>SILANE, 7.0 - 7.5% in argon</td>
</tr>
<tr>
<td>Product code</td>
<td>SIS6950.1</td>
</tr>
<tr>
<td>Formula</td>
<td>H4Si</td>
</tr>
<tr>
<td>Synonyms</td>
<td>SILICANE\nMONOSILANE\nSILICON TETRAHYDRIDE</td>
</tr>
<tr>
<td>Chemical family</td>
<td>HYDRIDOSILANE</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: 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@gelestdc.com - www.gelestdc.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]

<table>
<thead>
<tr>
<th>Class</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable gases, Category 1</td>
<td>H220</td>
</tr>
<tr>
<td>Gases under pressure: Compressed gas</td>
<td>H280</td>
</tr>
<tr>
<td>Full text of H statements: see section 16</td>
<td></td>
</tr>
</tbody>
</table>

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP): ![Hazard Pictogram]

Signal word (CLP): Danger

Hazard statements (CLP): H220 - Extremely flammable gas.\nH280 - Contains gas under pressure; may explode if heated.
SILANE, 7.0 - 7.5% in argon
Safety Data Sheet

Precautionary statements (CLP):
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381 - In case of leakage, eliminate all ignition sources.
P403 - Store in a well-ventilated place.
P410+P403 - Protect from sunlight. Store in a well-ventilated place.

2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<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>Argon</td>
<td>(CAS-No.) 7440-37-1 (EC-No.) 231-147-0</td>
<td>92.5 - 93</td>
<td>Press. Gas (Comp.), H280</td>
</tr>
<tr>
<td>Silane</td>
<td>(CAS-No.) 7803-62-5 (EC-No.) 232-263-4</td>
<td>7 - 7.5</td>
<td>Flam. Gas 1, H220 Press. Gas (Liq.), H280 Acute Tox. 4 (Inhalation:gas), H332</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

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/…. Get medical advice/attention.

First-aid measures after eye contact:
Rinse cautiously with water for several 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:
May cause irritation to the respiratory tract.

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

Symptoms/effects after eye contact:
May cause eye irritation. At levels below the flammability limit, silane is expected to affect the eyes by absorption and deposition of silicon dioxide, causing severe irritation and possible corneal damage.

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
Suitable extinguishing media:
If unable to stop the flow of gas, silane should be allowed to burn until consumed. Secondary fires may be extinguished with alcohol resistant foam, carbon dioxide, dry chemical. Use of high expansion foam (100:1) is recommended to cover flames.

5.2. Special hazards arising from the substance or mixture
Fire hazard:
Extremely flammable gas. Irritating fumes and organic acid vapors may develop when material is exposed to water or open flame.

Explosion hazard:
Silane spontaneously ignites on contact with air.
SILANE, 7.0 - 7.5% in argon
Safety Data Sheet

5.3. Advice for firefighters
Firefighting instructions: Exercise caution when fighting any chemical fire. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Silane should be allowed to burn until consumed. Excessive pressure may develop in gas cylinders exposed to fire-heated silane may explode on contact with air. Cool cylinders and surroundings with water from a suitable distance.

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
General measures: Ventilate area. Use special care to avoid static electric charges. Eliminate every possible source of ignition.

6.1.1. For non-emergency personnel
Protective equipment: Wear protective equipment as described in Section 8.
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: 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
No additional information available

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Stop flow of gas if possible. The potential exists for spontaneous ignition and explosion. Allow vapors to disperse.

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
Additional hazards when processed: Flammable gas. Catches fire spontaneously if exposed to air.
Precautions for safe handling: Containers and transfer lines require grounding during use. Prevent reverse flow. Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours. Eliminate all ignition sources if safe to do so. Systems utilizing silane that do not involve complete consumption of silane should be equipped with burn boxes. See- Book of SEMI Standards, Facilities Standards and Safety Guidelines, Mountain View, CA, Semiconductor Equipment and Materials Int'l, 1993. Use only in well ventilated areas.

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
Technical measures: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions: Store in sealed cylinders in isolated area. Protect from sunlight. Store in a well-ventilated place.
Storage area: Store in a well-ventilated place. Store away from heat.

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters

<table>
<thead>
<tr>
<th>Geography</th>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>TWA (mg/m³)</td>
<td>0.63 mg/m³</td>
</tr>
<tr>
<td>Australia</td>
<td>TWA (ppm)</td>
<td>0.2 ppm</td>
</tr>
<tr>
<td>Silane (7803-62-5)</td>
<td>Limit value (mg/m³)</td>
<td>6.7 mg/m³</td>
</tr>
<tr>
<td>Belgium</td>
<td>Limit value (mg/m³)</td>
<td>6.7 mg/m³</td>
</tr>
<tr>
<td>Belgium</td>
<td>Limit value (ppm)</td>
<td>5 ppm</td>
</tr>
<tr>
<td>France</td>
<td>VME (mg/m³)</td>
<td>7 mg/m³</td>
</tr>
<tr>
<td>France</td>
<td>VME (ppm)</td>
<td>5 ppm</td>
</tr>
<tr>
<td>Greece</td>
<td>OEL TWA (mg/m³)</td>
<td>7 mg/m³</td>
</tr>
<tr>
<td>Greece</td>
<td>OEL TWA (ppm)</td>
<td>5 ppm</td>
</tr>
<tr>
<td>Italy - Portugal - USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>5 ppm</td>
</tr>
</tbody>
</table>
8.2. Exposure controls

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

Personal protective equipment:
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Avoid all unnecessary 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 combination organic vapor/acid gas (yellow cartridge) respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state | Gas |
| Appearance | Flammable mixture gas. |
| Molecular mass | 32.12 g/mol |
**SILANE, 7.0 - 7.5% in argon**

**Safety Data Sheet**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Colourless.</td>
</tr>
<tr>
<td>Odour</td>
<td>Disagreeable.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Refractive index</td>
<td>No additional information available</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>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>-185 °C</td>
</tr>
<tr>
<td>Boiling point</td>
<td>-112 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&lt; -40 °C</td>
</tr>
<tr>
<td>Critical temperature</td>
<td>-3.5 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>&lt; 20 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Extremely flammable gas.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>530 kPa @ -118°C</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>1.342 g/l</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.68 @ -185°C</td>
</tr>
<tr>
<td>% Volatiles</td>
<td>100 %</td>
</tr>
<tr>
<td>Solubility</td>
<td>Reacts with water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>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>1.37 - 98 vol % (lower; upper)</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No additional information available

**10.2. Chemical stability**

Stable in sealed cylinders stored under a dry inert atmosphere.

**10.3. Possibility of hazardous reactions**

Reacts with oxygen in air, igniting spontaneously. Mixtures with mercury explode when shaken in the presence of air. Platinum, platinum and iron salts and other Lewis acids can cause generation of flammable hydrogen gas.

**10.4. Conditions to avoid**

Heat. Sparks. Open flame.

**10.5. Incompatible materials**

Acids. alcohols. Oxidizing agent.

**10.6. Hazardous decomposition products**

Silicon dioxide.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
<td>9600 ppm/4h</td>
</tr>
<tr>
<td>ATE CLP (gases)</td>
<td>9600 ppmv/4h</td>
</tr>
<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>
</tbody>
</table>
SILANE, 7.0 - 7.5% in argon
Safety Data Sheet

**Carcinogenicity**
- Not classified
  - None of the components in this product at concentrations >0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

**Reproductive toxicity**
- Not classified

**STOT-single exposure**
- Not classified

**STOT-repeated exposure**
- Not classified

**Aspiration hazard**
- Not classified

**Symptoms/effects after inhalation**
- May cause irritation to the respiratory tract.

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

**Symptoms/effects after eye contact**
- May cause eye irritation. At levels below the flammability limit, silane is expected to affect the eyes by absorption and deposition of silicon dioxide, causing severe irritation and possible corneal damage.

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

### 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: This substance may be hazardous to 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: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
- 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): 1954
- UN-No. (IMDG): 1954
- UN-No. (IATA): 1954
- UN-No. (ADN): 1954
- UN-No. (RID): 1954

14.2. **UN proper shipping name**
- Proper Shipping Name (ADR): COMPRESSED GAS, FLAMMABLE, N.O.S.
- Proper Shipping Name (IMDG): COMPRESSED GAS, FLAMMABLE, N.O.S.
- Proper Shipping Name (IATA): Compressed gas, flammable, n.o.s.
- Proper Shipping Name (ADN): COMPRESSED GAS, FLAMMABLE, N.O.S.
- Proper Shipping Name (RID): COMPRESSED GAS, FLAMMABLE, N.O.S.
- Transport document description (ADR): UN 1954 COMPRESSED GAS, FLAMMABLE, N.O.S. (SILANE, 7.0 - 7.5% in argon), 2.1, (B/D)
- Transport document description (IMDG): UN 1954 COMPRESSED GAS, FLAMMABLE, N.O.S. (SILANE, 7.0 - 7.5% in argon), 2.1
- Transport document description (IATA): UN 1954 Compressed gas, flammable, n.o.s. (SILANE, 7.0 - 7.5% in argon), 2.1
- Transport document description (ADN): UN 1954 COMPRESSED GAS, FLAMMABLE, N.O.S. (SILANE, 7.0 - 7.5% in argon), 2.1
## Transport document description (RID)

Transport document description (RID): UN 1954 COMPRESSED GAS, FLAMMABLE, N.O.S. (SILANE, 7.0 - 7.5% in argon), 2.1

### 14.3. Transport hazard class(es)

#### ADR
- Transport hazard class(es) (ADR): 2.1
- Danger labels (ADR): 2.1

#### IMDG
- Transport hazard class(es) (IMDG): 2.1
- Danger labels (IMDG): 2.1

#### IATA
- Transport hazard class(es) (IATA): 2.1
- Hazard labels (IATA): 2.1

#### ADN
- Transport hazard class(es) (ADN): 2.1
- Danger labels (ADN): 2.1

#### RID
- Transport hazard class(es) (RID): 2.1
- Danger labels (RID): 2.1

### 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
14.6. Special precautions for user

- Overland transport
  Classification code (ADR) : 1F
  Special provisions (ADR) : 274, 660, 662
  Limited quantities (ADR) : 0
  Excepted quantities (ADR) : E0
  Packing instructions (ADR) : P200
  Mixed packing provisions (ADR) : MP9
  Portable tank and bulk container instructions (ADR) : (M)
  Tank code (ADR) : CxBN(M)
  Tank special provisions (ADR) : TA4, TT9
  Vehicle for tank carriage : FL
  Transport category (ADR) : 2
  Special provisions for carriage - Loading, unloading and handling (ADR) : CV9, CV10, CV36
  Special provisions for carriage - Operation (ADR) : S2, S20
  Hazard identification number (Kemler No.) : 23
  Orange plates : 23
  Tunnel restriction code (ADR) : B/D
  EAC code : 2SE

- Transport by sea
  Special provisions (IMDG) : 274
  Limited quantities (IMDG) : 0
  Excepted quantities (IMDG) : E0
  Packing instructions (IMDG) : P200
  EmS-No. (Fire) : F-D
  EmS-No. (Spillage) : S-U
  Stowage category (IMDG) : D
  Stowage and handling (IMDG) : SW2

- Air transport
  PCA Excepted quantities (IATA) : E0
  PCA Limited quantities (IATA) : Forbidden
  PCA limited quantity max net quantity (IATA) : Forbidden
  PCA packing instructions (IATA) : Forbidden
  PCA max net quantity (IATA) : Forbidden
  CAO packing instructions (IATA) : 200
  CAO max net quantity (IATA) : 150kg
  Special provisions (IATA) : A1
  ERG code (IATA) : 10L

- Inland waterway transport
  Classification code (ADN) : 1F
  Special provisions (ADN) : 274, 66
  Limited quantities (ADN) : 0
  Excepted quantities (ADN) : E0
  Equipment required (ADN) : PP, EX, A
  Ventilation (ADN) : VE01
  Number of blue cones/lights (ADN) : 1

- Rail transport
  Special provisions (RID) : 274, 660, 662
SILANE, 7.0 - 7.5% in argon
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Limited quantities (RID) : 0
Excepted quantities (RID) : E0
Packing instructions (RID) : P200
Mixed packing provisions (RID) : MP9
Portable tank and bulk container instructions (RID) : (M)
Tank codes for RID tanks (RID) : CxBN(M)
Special provisions for RID tanks (RID) : TU38, TE22, TA4, TT9
Transport category (RID) : 2
Special provisions for carriage - Loading, unloading and handling (RID) : CW9, CW10, CW36
Colis express (express parcels) (RID) : CE3
Hazard identification number (RID) : 23

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
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no REACH Annex XIV substances

% Volatiles : 100 %

15.1.2. National regulations

Germany
Reference to AwSV : Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

Netherlands
SZW-list van kankerverwekkende stoffen : Silane is listed
SZW-list van mutagene stoffen : Silane is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark
Class for fire hazard : Class I-1
Store unit : 1 liter
Classification remarks : F+ <Flam. Gas 1; Press. Gas (Comp.); Emergency management guidelines for the storage of flammable liquids must be followed
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

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:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Inhalation:gas)</th>
<th>Acute toxicity (inhalation:gas) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flam. Gas 1</td>
<td>Flammable gases, Category 1</td>
</tr>
<tr>
<td>Press. Gas (Comp.)</td>
<td>Gases under pressure: Compressed gas</td>
</tr>
<tr>
<td>Press. Gas (Liq.)</td>
<td>Gases under pressure: Liquefied gas</td>
</tr>
<tr>
<td>H220</td>
<td>Extremely flammable gas</td>
</tr>
<tr>
<td>H280</td>
<td>Contains gas under pressure; may explode if heated.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
</tbody>
</table>

### 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.

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