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

1.1. Product identifier

Product form : Substance
Physical state : Solid
Substance name : GERMANIUM DISELENIDE
Product code : GEG5350
Formula : GeSe2
Synonyms : GERMANIUM IV SELENIDE
Chemical family : METAL COMPOUND

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.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]
Acute toxicity (oral), Category 3 H301
Acute toxicity (inhalation:dust,mist) Category 3 H331
Specific target organ toxicity — Repeated exposure, Category 2 H373
Hazardous to the aquatic environment — Acute Hazard, Category 1 H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1 H410
Full text of H statements : see section 16

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) : GHS06 GHS08 GHS09
Signal word (CLP) : Danger
GERMANIUM DISELENIDE
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Hazard statements (CLP): H301+H331 - Toxic if swallowed or if inhaled
H373 - May cause damage to organs through prolonged or repeated exposure.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP): P260 - Do not breathe dust.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P291 - Avoid release to the environment.
P301+P310 - IF SWALLOWED: Immediately call a doctor.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards
No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances
Substance type: Mono-constituent
Name: GERMANIUM DISELENIDE
CAS-No.: 12065-11-1
EC-No.: 235-063-5

<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>Germanium diselenide</td>
<td>(CAS-No.) 12065-11-1</td>
<td>98 - 100</td>
<td>Acute Tox. 3 (Oral), H301</td>
</tr>
<tr>
<td></td>
<td>(EC-No. ) 235-063-5</td>
<td></td>
<td>Acute Tox. 3 (inhalation), H331</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 2, H373</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1, H410</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/…. Get medical advice/attention.

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: Toxic if inhaled. May cause respiratory irritation. While no specific information is known, garlic odor of breath is a common symptom of exposure to selenium compounds.
Symptoms/effects after skin contact: May cause dermatitis by skin contact.
Symptoms/effects after eye contact: May cause irritation or conjunctivitis by dissolving to form germanic acid, a weak acid.
Symptoms/effects after ingestion: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Chronic symptoms: Inhalation- Animal studies of germanium compounds indicate morphological changes of the respiratory tract such as thickening of the alveolar partitions and hyperplasia of the lymphatic vessels around the bronchi and blood vessels. Ingestion- Rats fed 100ppm for 14 weeks showed stimulated growth. Those fed 1000ppm showed depressed growth and suffered 50% mortality. Kidney damage has been reported in humans and animals. For selenium compounds, pallor, nervousness, depression and death have been reported for chronic exposure.

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: Not flammable.
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: Exercise caution when fighting any chemical fire.
Protection during firefighting: 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

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
Avoid release to the environment. Notify authorities if product enters sewers or public waters. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up
For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up: Collect spillage. Sweep or shovel spills into appropriate container 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. Avoid dust formation. Do not breathe dust. Use only outdoors or in a well-ventilated area.
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
Storage conditions: Keep container tightly closed. Store locked up.
Incompatible materials: Compatible with most materials. Dissolves in strong acid or base.
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>Substance</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germanium diselenide (12065-11-1)</td>
<td>0.2 mg/m³ (selenium)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls:
Handle in an enclosing hood with exhaust 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 dust and mist (teal 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>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Granules.</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>230.51 g/mol</td>
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<tr>
<td>Colour</td>
<td>Orange.</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>No additional information available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>704 - 710 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</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 (solid, gas)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>4.56</td>
</tr>
<tr>
<td>% Volatiles</td>
<td>0 %</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in 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>
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<tr>
<td>Explosive limits</td>
<td>No data available</td>
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<tr>
<td>Decomposition</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
At temperatures >400°C in air oxidizes to germanium dioxide and selenium.

10.4. Conditions to avoid
No additional information available

10.5. Incompatible materials
Compatible with most materials. Dissolves in strong acid or base.

10.6. Hazardous decomposition products
Selenium (Se). Selenides. Germanium oxides.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Toxic if swallowed. Toxic if inhaled.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Exposure Route</th>
<th>Effect Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>GERMANIUM DISELENIDE (12065-11-1)</td>
<td>ATE CLP (oral)</td>
<td>100 mg/kg bodyweight</td>
</tr>
<tr>
<td></td>
<td>ATE CLP (dust,mist)</td>
<td>0.5 mg/l/4h</td>
</tr>
<tr>
<td>Germanium diselenide (12065-11-1)</td>
<td>ATE CLP (oral)</td>
<td>100 mg/kg bodyweight</td>
</tr>
<tr>
<td></td>
<td>ATE CLP (gases)</td>
<td>700 ppmv/4h</td>
</tr>
<tr>
<td></td>
<td>ATE CLP (vapours)</td>
<td>3 mg/l/4h</td>
</tr>
<tr>
<td></td>
<td>ATE CLP (dust,mist)</td>
<td>0.5 mg/l/4h</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

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 : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard : Not classified
Potential adverse human health effects and symptoms : Toxicity: In general, selenium compounds are poison by inhalation and intravenous routes. Some selenium are experimental carcinogens.

Symptoms/effects after inhalation : Toxic if inhaled. May cause respiratory irritation. While no specific information is known, garlic odor of breath is a common symptom of exposure to selenium compounds.
Symptoms/effects after skin contact : May cause dermatitis by skin contact.
Symptoms/effects after eye contact : May cause irritation or conjunctivitis by dissolving to form germanic acid, a weak acid.
Symptoms/effects after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Chronic symptoms : Inhalation- Animal studies of germanium compounds indicate morphological changes of the respiratory tract such as thickening of the alveolar partitions and hyperplasia of the lymphatic vessels around the bronchi and blood vessels. Ingestion- Rats fed 100ppm for 14 weeks showed stimulated growth. Those fed 1000ppm showed depressed growth and suffered 50% mortality. Kidney damage has been reported in humans and animals. For selenium compounds, pallor, nervousness, depression and death have been reported for chronic exposure.

Reason for classification : Expert judgment

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Acute aquatic toxicity : Very toxic to aquatic life.
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

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

No additional information available
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

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>UN-No. (ADR)</td>
<td>3283</td>
<td></td>
</tr>
<tr>
<td>UN-No. (IMDG)</td>
<td>3283</td>
<td></td>
</tr>
<tr>
<td>UN-No. (IATA)</td>
<td>3283</td>
<td></td>
</tr>
<tr>
<td>UN-No. (ADN)</td>
<td>3283</td>
<td></td>
</tr>
<tr>
<td>UN-No. (RID)</td>
<td>3283</td>
<td></td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name

| Proper Shipping Name (ADR) | SELENIUM COMPOUND, SOLID, N.O.S. |
| Proper Shipping Name (IMDG) | SELENIUM COMPOUND, SOLID, N.O.S. |
| Proper Shipping Name (IATA) | Selenium compound, solid, n.o.s. |
| Proper Shipping Name (ADN) | SELENIUM COMPOUND, SOLID, N.O.S. |
| Proper Shipping Name (RID) | SELENIUM COMPOUND, SOLID, N.O.S. |

Transport document description (ADR): UN 3283 SELENIUM COMPOUND, SOLID, N.O.S. (GERMANIUM DISELENIDE), 6.1, III, (E), ENVIRONMENTALLY HAZARDOUS

Transport document description (IMDG): UN 3283 SELENIUM COMPOUND, SOLID, N.O.S. (GERMANIUM DISELENIDE), 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

Transport document description (IATA): UN 3283 Selenium compound, solid, n.o.s. (GERMANIUM DISELENIDE), 6.1, III, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN): UN 3283 SELENIUM COMPOUND, SOLID, N.O.S. (GERMANIUM DISELENIDE), 6.1, III, ENVIRONMENTALLY HAZARDOUS

Transport document description (RID): UN 3283 SELENIUM COMPOUND, SOLID, N.O.S. (GERMANIUM DISELENIDE), 6.1, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): 6.1
Danger labels (ADR): 6.1

IMDG

Transport hazard class(es) (IMDG): 6.1
Danger labels (IMDG): 6.1

IATA

Transport hazard class(es) (IATA): 6.1
Hazard labels (IATA): 6.1
**GERMANIUM DISELENIDE**  
Safety Data Sheet

### ADN
Transport hazard class(es) (ADN) : 6.1  
Danger labels (ADN) : 6.1

### RID
Transport hazard class(es) (RID) : 6.1  
Danger labels (RID) : 6.1

### 14.4. Packing group
Packing group (ADR) : III  
Packing group (IMDG) : III  
Packing group (IATA) : III  
Packing group (ADN) : III  
Packing group (RID) : III

### 14.5. Environmental hazards
Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

### 14.6. Special precautions for user
- **Overland transport**
  - Classification code (ADR) : T5  
  - Special provisions (ADR) : 274, 563  
  - Limited quantities (ADR) : 5kg  
  - Excepted quantities (ADR) : E1  
  - Packing instructions (ADR) : P002, IBC08, LP02, R001  
  - Special packing provisions (ADR) : B3  
  - Mixed packing provisions (ADR) : MP10  
  - Portable tank and bulk container instructions (ADR) : TP33  
  - Tank code (ADR) : SGAH, L4BH  
  - Tank special provisions (ADR) : TU15, TE19  
  - Vehicle for tank carriage : AT  
  - Transport category (ADR) : 2  
  - Special provisions for carriage - Bulk (ADR) : VC1, VC2, AP7  
  - Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28  
  - Special provisions for carriage - Operation (ADR) : S9  
  - Hazard identification number (Kemler No.) : 60
GERMANIUM DISELENIDE
Safety Data Sheet

Orange plates: 60 3283

Tunnel restriction code (ADR): E
EAC code: 2X

- Transport by sea
Special provisions (IMDG): 223, 274
Limited quantities (IMDG): 5 kg
Excepted quantities (IMDG): E1
Packing instructions (IMDG): P002, LP02
IBC packing instructions (IMDG): IBC08
IBC special provisions (IMDG): B3
Tank instructions (IMDG): T1
Tank special provisions (IMDG): TP33
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-A
Stowage category (IMDG): A

- Air transport
PCA Excepted quantities (IATA): E1
PCA Limited quantities (IATA): Y645
PCA limited quantity max net quantity (IATA): 10kg
PCA packing instructions (IATA): 670
PCA max net quantity (IATA): 100kg
CAO packing instructions (IATA): 677
CAO max net quantity (IATA): 200kg
Special provisions (IATA): A3, A5
ERG code (IATA): 6L

- Inland waterway transport
Classification code (ADN): T5
Special provisions (ADN): 274, 563, 802
Limited quantities (ADN): 5 kg
Excepted quantities (ADN): E1
Equipment required (ADN): PP, EP
Number of blue cones/lights (ADN): 0

- Rail transport
Classification code (RID): T5
Special provisions (RID): 274, 563
Limited quantities (RID): 5kg
Excepted quantities (RID): E1
Packing instructions (RID): P002, IBC08, LP02, R001
Special packing provisions (RID): B3
Mixed packing provisions (RID): MP10
Portable tank and bulk container instructions (RID): T1
Portable tank and bulk container special provisions (RID): TP33
Tank codes for RID tanks (RID): SGAH, L4BH
Special provisions for RID tanks (RID): TU15
Transport category (RID): 2
Special provisions for carriage – Bulk (RID): VC1, VC2, AP7
Special provisions for carriage - Loading, unloading and handling (RID): CW13, CW28, CW31
Colis express (express parcels) (RID): CE11
Hazard identification number (RID): 60

Print date: 10/04/2019  EN (English)  SDS ID: GEG5350  B/10
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
GERMANIUM DISELENIDE is not on the REACH Candidate List
GERMANIUM DISELENIDE is not on the REACH Annex XIV List
GERMANIUM DISELENIDE 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.

% Volatiles : 0 %

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

Denmark
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with 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:
Acute Tox. 3 (Inhalation) Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral) Acute toxicity (oral), Category 3
Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1 Hazardous to the aquatic environment — Chronic Hazard, Category 1
STOT RE 2 Specific target organ toxicity — Repeated exposure, Category 2
H301 Toxic if swallowed.
H331 Toxic if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
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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