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

## 1.1. Product identifier

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product form</td>
<td>Substance</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Substance name</td>
<td>GELEST ULTRAMARINE BLUE SR</td>
</tr>
<tr>
<td>Product code</td>
<td>LIA-SRA</td>
</tr>
<tr>
<td>Synonyms</td>
<td>C.I. PIGMENT BLUE 29, MQ RESIN</td>
</tr>
<tr>
<td>Other means of identification</td>
<td>INCI NAME: ULTRAMARINES, TRIMETHYLSILOXYSILICATE</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: Pigment

### 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](mailto:info@gelest.com) - [www.gelest.com](http://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](mailto:info@gelestde.com) - [www.gelestde.com](http://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]**

No labelling applicable

## 2.3. Other hazards

No additional information available

# SECTION 3: Composition/information on ingredients

## 3.1. Substances

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance type</td>
<td>Multi-constituent</td>
</tr>
<tr>
<td>Name</td>
<td>GELEST ULTRAMARINE BLUE SR</td>
</tr>
<tr>
<td>CAS-No.</td>
<td>57455-37-5</td>
</tr>
<tr>
<td>EC-No.</td>
<td>309-928-3</td>
</tr>
</tbody>
</table>
GELEST ULTRAMARINE BLUE SR
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>Sodium Alumino Sulfosilicate</td>
<td>(CAS-No.) 57455-37-5</td>
<td>96 - 99</td>
<td>Not classified</td>
</tr>
<tr>
<td>Trimethylsilsiloxysilicate</td>
<td>(CAS-No.) 56275-01-5</td>
<td>1 - 4</td>
<td>Not classified</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: Inhalation of dust or particulates may irritate the respiratory tract. Overexposure may cause: Cough.

Symptoms/effects after skin contact: Skin discoloration may occur due to contact with pigment.

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

Symptoms/effects after ingestion: No information available.

Symptoms/effects upon intravenous administration: No information available.

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: Non-combustible. Use an extinguishing agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters

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

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

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 product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Minimise generation of dust. Use any suitable mechanical means (vacuum, sweeping etc.). Provide ventilation system and use necessary personal protective equipment as described in "8. EXPOSURE CONTROLS AND PERSONAL PROTECTION". Keep in suitable, closed containers 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 breathing dust. Provide local exhaust or general room ventilation to minimize exposure to dust.
Hygiene measures : 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.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions : Keep container tightly closed. Keep in a clean and dry area in original unopened containers.
Incompatible materials : Acids.
Storage area : Store away from heat.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Trimethylsiloxysilicate (56275-01-5) | USA OSHA | OSHA PEL (TWA) (mg/m³) | 15 mg/m³ (nuisance dust) |

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 or safety glasses

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

<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>Powder</td>
</tr>
<tr>
<td>Colour</td>
<td>Blue</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight, characteristic</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>&gt; 400 °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>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>No data available</td>
</tr>
</tbody>
</table>
### Density
2.25 - 2.35

### 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
Stable when stored in sealed containers.

### 10.3. Possibility of hazardous reactions
Contact with acids liberates hydrogen sulfide gas.

### 10.4. Conditions to avoid
At temperatures in excess of 440°C in the presence of air, an exothermic reaction can occur with the evolution of sulfur dioxide.

### 10.5. Incompatible materials
Acids.

### 10.6. Hazardous decomposition products
Sulfur dioxide. Hydrogen sulfide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>EFFECT</th>
<th>CLASSIFICATION</th>
</tr>
</thead>
</table>

### GELEST ULTRAMARINE BLUE SR (57455-37-5)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>10 g/kg</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>10000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### Sodium Alumino Sulfosilicate (57455-37-5)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>10 g/kg</td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>10000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

### Trimethylsiloxysilicate (56275-01-5)

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 5000 mg/kg</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
Inhalation of dust or particulates may irritate the respiratory tract. Overexposure may cause:
Cough.

### Symptoms/effects after skin contact
Skin discoloration may occur due to contact with pigment.

### Symptoms/effects after eye contact
May cause eye irritation.

### Symptoms/effects after ingestion
No information available.

### Symptoms/effects upon intravenous administration
No information available.
## 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
No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods
- **Product/Packaging disposal recommendations**: 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): 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
GELEST ULTRAMARINE BLUE SR
Safety Data Sheet

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
  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
No REACH Annex XVII restrictions
GELEST ULTRAMARINE BLUE SR is not on the REACH Candidate List
GELEST ULTRAMARINE BLUE SR is not on the REACH Annex XIV List
GELEST ULTRAMARINE BLUE SR 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
Reference to AwSV : Water hazard class (WGK) nwg, Non-hazardous to water (KBwS-Beschluss; ID No. 1426)

Netherlands
SZW-list van kankerverwekkende stoffen : GELEST ULTRAMARINE BLUE SR is listed
SZW-list van mutagene stoffen : GELEST ULTRAMARINE BLUE SR is 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:
GELEST ULTRAMARINE BLUE SR
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.

SDS EU (REACH Annex II) - Custom

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