



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

### 1.1. Product identifier

|                               |   |
|-------------------------------|---|
| Product form                  | : Substance   |
| Physical state                | : Solid   |
| Substance name                | : GELEST TALC HS                                    |
| Product code                  | : TA7-HSA   |
| Synonyms                      | : TALC, CARBOXYETHYLSILANETRIOL, SODIUM SALT        |
| Other means of identification | : INCI NAME: TALC, DISODIUM CARBOXYETHYL SILICONATE |

### 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<br>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](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]

|                |  |
|----------------|--|
| 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

|                |                     |
|----------------|---------------------|
| Substance type | : Multi-constituent |
| Name           | : GELEST TALC HS    |
| CAS-No.        | : 14807-96-6        |
| EC-No.         | : 238-877-9         |

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| Name                                   | Product identifier                         | %     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-------|---|
| Talc                                   | (CAS-No.) 14807-96-6<br>(EC-No.) 238-877-9 | ~ 96  | Not classified  |
| Carboxyethylsilanetriol, disodium salt | (CAS-No.) 18191-40-7                       | 1 - 3 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                       |
| Chlorite                               | (CAS-No.) 1318-59-8<br>(EC-No.) 215-285-9  | ~ 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 : 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 : Symptoms of acute accidental exposure are non-specific and similar to the inhalation of any dust.
- Symptoms/effects after skin contact : Skin irritation is not expected from available information.
- Symptoms/effects after eye contact : Can cause temporary discomfort and irritation if accidentally introduced into the eye.
- Symptoms/effects after ingestion : 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 : None.
- Unsuitable extinguishing media : None known.

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

- Fire hazard : None.

### 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

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

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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Methods for cleaning up : 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. Do not breathe dust. Provide local exhaust or general room ventilation to minimize exposure to dust. Talc, like all fine powders, can create dust when handled. Keep all floors, workstation, stairs and handrails clean and dry.

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. Keep in a clean and dry place; All traditional packing methods can be used.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| GELEST TALC HS (14807-96-6)  |   |  |
|------------------------------|---|--|
| Ireland                      | OEL (15 min ref) (mg/m <sup>3</sup> )         | 30 mg/m <sup>3</sup> (calculated-total inhalable dust)<br>2.4 mg/m <sup>3</sup> (calculated-respirable dust)   |
| Talc (14807-96-6)            |   |  |
| Austria                      | MAK (mg/m <sup>3</sup> )                      | 2 mg/m <sup>3</sup> (Asbestos-free fibers-respirable fraction)   |
| Belgium                      | Limit value (mg/m <sup>3</sup> )              | 2 mg/m <sup>3</sup>  |
| Bulgaria                     | OEL TWA (mg/m <sup>3</sup> )                  | 1 fibers/cm <sup>3</sup> (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction, fibers)<br>6 mg/m <sup>3</sup> (containing <2% free Crystalline silicon dioxide in respirable fraction-inhalable fraction)<br>3 mg/m <sup>3</sup> (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction) |
| Greece                       | OEL TWA (mg/m <sup>3</sup> )                  | 10 mg/m <sup>3</sup> (inhalable fraction)<br>2 mg/m <sup>3</sup> (respirable fraction)   |
| Italy - Portugal - USA ACGIH | ACGIH TWA (mg/m <sup>3</sup> )                | 2 mg/m <sup>3</sup> (Respirable dust, TWA – 8 hr. period)  |
| USA IDLH                     | US IDLH (mg/m <sup>3</sup> )                  | 1000 mg/m <sup>3</sup> (containing no asbestos and <1% quartz)   |
| USA NIOSH                    | NIOSH REL (TWA) (mg/m <sup>3</sup> )          | 2 mg/m <sup>3</sup> (containing no Asbestos and <1% Quartz-respirable dust)  |
| USA OSHA                     | OSHA PEL (TWA) (mg/m <sup>3</sup> )           | 2 mg/m <sup>3</sup> (Table Z-3 Mineral Dust, published by OSHA)  |
| Spain                        | VLA-ED (mg/m <sup>3</sup> )                   | 2 mg/m <sup>3</sup> (this value is for the particulate matter that is free from Asbestos and contains less than 1% of Crystalline silica-respirable fraction)  |
| Switzerland                  | MAK (mg/m <sup>3</sup> )                      | 2 mg/m <sup>3</sup> (respirable dust)  |
| Netherlands                  | Grenswaarde TGG 8H (mg/m <sup>3</sup> )       | 0.25 mg/m <sup>3</sup>   |
| United Kingdom               | WEL TWA (mg/m <sup>3</sup> )                  | 1 mg/m <sup>3</sup> (respirable dust)  |
| United Kingdom               | WEL STEL (mg/m <sup>3</sup> )                 | 3 mg/m <sup>3</sup> (calculated-respirable dust)   |
| Czech Republic               | Expoziční limity (PEL) (mg/m <sup>3</sup> )   | 2 mg/m <sup>3</sup>  |
| Denmark                      | Grænseværdie (langvarig) (mg/m <sup>3</sup> ) | 0.3 fibers/cm <sup>3</sup> (containing fibers)   |
| Finland                      | HTP-arvo (8h) (mg/m <sup>3</sup> )            | 0.5 fibers/cm <sup>3</sup> (fiber)   |
| Finland                      | HTP-arvo (15 min) (ppm)                       | 2 ppm (granular form, inhalable dust)<br>1 ppm (granular form, respirable)   |
| Hungary                      | AK-érték                                      | 2 mg/m <sup>3</sup> (respirable)   |
| Ireland                      | OEL (8 hours ref) (mg/m <sup>3</sup> )        | 10 mg/m <sup>3</sup> (total inhalable dust)<br>0.8 mg/m <sup>3</sup> (respirable dust)   |
| Ireland                      | OEL (15 min ref) (mg/m <sup>3</sup> )         | 30 mg/m <sup>3</sup> (calculated-total inhalable dust)<br>2.4 mg/m <sup>3</sup> (calculated-respirable dust)   |
| Lithuania                    | IPRV (mg/m <sup>3</sup> )                     | 2 mg/m <sup>3</sup> (inhalable fraction)<br>1 mg/m <sup>3</sup> (respirable fraction)  |
| Norway                       | Grenseverdier (AN) (mg/m <sup>3</sup> )       | 6 mg/m <sup>3</sup> (total dust)<br>2 mg/m <sup>3</sup> (respirable dust)  |

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| Talc (14807-96-6) |  |  |
|-------------------|--|--|
| Norway            | Grønseverdier (Korttidsverdi) (mg/m <sup>3</sup> ) | 6 mg/m <sup>3</sup> (total dust)<br>2 mg/m <sup>3</sup> (respirable dust)  |
| Poland            | NDS (mg/m <sup>3</sup> )                           | 4 mg/m <sup>3</sup> (inhalable fraction)<br>1 mg/m <sup>3</sup> (respirable fraction)  |
| Romania           | OEL TWA (mg/m <sup>3</sup> )                       | 2 mg/m <sup>3</sup> (inhalable fraction, dust)   |
| Slovakia          | NPHV (priemerná) (mg/m <sup>3</sup> )              | 2 mg/m <sup>3</sup> (respirable fraction, 5% or less fibrogenic component)<br>10 mg/m <sup>3</sup> (respirable fraction, greater than 5% fibrogenic component)<br>10 mg/m <sup>3</sup> (total aerosol) |
| Sweden            | nivågränsvärde (NVG) (mg/m <sup>3</sup> )          | 2 mg/m <sup>3</sup> (total dust)<br>1 mg/m <sup>3</sup> (respirable dust)  |
| Canada (Quebec)   | VEMP (mg/m <sup>3</sup> )                          | 3 mg/m <sup>3</sup> (respirable dust)  |
| Australia         | TWA (mg/m <sup>3</sup> )                           | 2.5 mg/m <sup>3</sup> (containing no asbestos fibers)  |
| Portugal          | OEL TWA (mg/m <sup>3</sup> )                       | 2 mg/m <sup>3</sup> (respirable fraction, particulate matter containing no Asbestos and < 1% Crystalline silica)   |
| Portugal          | OEL chemical category (PT)                         | A4 - Not Classifiable as a Human Carcinogen  |

### 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.                              |
| Odour                                      | : No data available                   |
| 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                           | : 2.7                                 |
| Solubility                                 | : Insoluble in water.                 |

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|                      |                     |
|----------------------|---------------------|
| 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 products (water and CO<sub>2</sub> >400°C).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                                   |                  |
|-----------------------------------|------------------|
| Acute toxicity                    | : Not classified |
| 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 |

The IARC working group stated that there is no evidence of carcinogen status or genotoxicity both on animals and on men.

Talc is not listed as a carcinogen by NTP and not regulated as a carcinogen by OSHA.

| Talc (14807-96-6)                        |   |
|--|---|
| IARC group                               | 3 - Not classifiable  |
| National Toxicology Program (NTP) Status | 1 - Evidence of Carcinogenicity, 5 - Twelfth Report - Items under consideration |

|   |  |
|---|--|
| Reproductive toxicity                               | : Not classified<br>No teratogenic effects were found in animals after oral ingestion of talc.   |
| STOT-single exposure                                | : Not classified   |
| STOT-repeated exposure                              | : Not classified   |
| Aspiration hazard                                   | : Not classified   |
| Potential adverse human health effects and symptoms | : Note: Symptoms of acute accidental exposure are non-specific and similar to the inhalation of any dust; such symptoms may include paroximal coughing, wheezing, difficult breathing and upper respiratory tract irritation. Repeated overexposure can develop a benign pneumoconiosis, known as talcosis which can cause respiratory problems and lung complications. Smoking and concomitant diseases might impose an additional pulmonary burden which may alter the course of the pneumoconiosis. Talc is neither orally nor cutaneously toxic. |
| Symptoms/effects after inhalation                   | : Symptoms of acute accidental exposure are non-specific and similar to the inhalation of any dust.  |
| Symptoms/effects after skin contact                 | : Skin irritation is not expected from available information.  |
| Symptoms/effects after eye contact                  | : Can cause temporary discomfort and irritation if accidentally introduced into the eye.   |
| Symptoms/effects after ingestion                    | : No information available.  |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Not classified

#### Talc (14807-96-6)

|             |  |
|-------------|--|
| LC50 fish 1 | > 100 g/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static]) |
|-------------|--|

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

#### Talc (14807-96-6)

|            |                            |
|------------|----------------------------|
| BCF fish 1 | (no known bioaccumulation) |
|------------|----------------------------|

#### 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 : Talc is not a hazardous waste. 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



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### 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 TALC HS is not on the REACH Candidate List

GELEST TALC HS is not on the REACH Annex XIV List

GELEST TALC HS 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.

GELEST TALC HS is not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

#### 15.1.2. National regulations

##### Germany

Reference to AwSV : Water hazard class (WGK) nwg, Non-hazardous to water (Classification according to VwVwS, Annex 1 or 2; ID No. 1315)

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

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### 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:

|               |   |
|---------------|---|
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2         |
| H315          | Causes skin irritation.                       |
| H319          | Causes serious eye irritation.                |
| EUH210        | Safety data sheet available on request.       |

SDS EU (REACH Annex II) - Custom

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