

**GELEST TALC SS****Safety Data Sheet TA7-SSA**

Issue date: 27/07/2016

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Version: 2.0

**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 SS  
Product code : TA7-SSA  
Synonyms : TALC, OCTADECYLTRIETHOXYSILANE  
TALC, TRIETHOXYOCTADECYLSILANE  
Other means of identification : INCI NAME: TALC, STEARYL TRIETHOXYSILANE

**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 : 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.**

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Morrisville, PA 19067

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**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**

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

# GELEST TALC SS

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Talc	(CAS-No.) 14807-96-6 (EC-No.) 238-877-9	96 – 97	Not classified
Stearyl Triethoxysilane	(CAS-No.) 7399-00-0 (EC-No.) 230-995-9	1 – 3	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Chlorite	(CAS-No.) 1318-59-8 (EC-No.) 215-285-9	1 – 2	Not classified

Full text of H- and EUH-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

No additional information available

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

No additional information available

#### 5.3. Advice for firefighters

No additional information available

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### 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.  
Methods for cleaning up : If the product is clean and dry, shovel, vacuum or sweep up and return to container for use. Otherwise sweep or vacuum for disposal.

#### 6.4. Reference to other sections

See Section 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

##### 8.1.1 National occupational exposure and biological limit values

#### GELEST TALC SS (14807-96-6)

##### Ireland - Occupational Exposure Limits

OEL STEL	30 mg/m <sup>3</sup> (calculated-total inhalable dust) 2.4 mg/m <sup>3</sup> (calculated-respirable dust)
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##### USA - ACGIH - Occupational Exposure Limits

ACGIH chemical category	Not Classifiable as a Human Carcinogen containing no asbestos fibers
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<b>Talc (14807-96-6)</b>	
<b>Austria - Occupational Exposure Limits</b>	
MAK (OEL TWA)	2 mg/m <sup>3</sup> (Asbestos-free fibers-respirable fraction)
<b>Belgium - Occupational Exposure Limits</b>	
OEL TWA	2 mg/m <sup>3</sup>
<b>Bulgaria - Occupational Exposure Limits</b>	
OEL TWA	1 fibers/cm <sup>3</sup> (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction, fibers) 6 mg/m <sup>3</sup> (containing <2% free Crystalline silicon dioxide in respirable fraction-inhalable fraction) 3 mg/m <sup>3</sup> (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction)
<b>Croatia - Occupational Exposure Limits</b>	
GVI (OEL TWA) [1]	1 mg/m <sup>3</sup> (respirable dust)
<b>Czech Republic - Occupational Exposure Limits</b>	
PEL (OEL TWA)	2 mg/m <sup>3</sup>
<b>Denmark - Occupational Exposure Limits</b>	
Local name	Talkum med asbest i form af fibre
OEL TWA [1]	0.3 fibers/cm <sup>3</sup> (containing fibers)
Remark	K (betyder, at stoffet anses for at kunne være kræftfremkaldende)
Regulatory reference	BEK nr 1054 af 28/06/2022
<b>Finland - Occupational Exposure Limits</b>	
HTP (OEL TWA) [1]	0.5 fibers/cm <sup>3</sup> (fiber)
HTP (OEL STEL) [ppm]	2 ppm (granular form, inhalable dust) 1 ppm (granular form, respirable)
<b>Greece - Occupational Exposure Limits</b>	
OEL TWA	10 mg/m <sup>3</sup> (inhalable fraction) 2 mg/m <sup>3</sup> (respirable fraction)
<b>Hungary - Occupational Exposure Limits</b>	
AK (OEL TWA)	2 mg/m <sup>3</sup> (respirable)
<b>Ireland - Occupational Exposure Limits</b>	
OEL TWA [1]	10 mg/m <sup>3</sup> (total inhalable dust) 0.8 mg/m <sup>3</sup> (respirable dust)
OEL STEL	30 mg/m <sup>3</sup> (calculated-total inhalable dust) 2.4 mg/m <sup>3</sup> (calculated-respirable dust)
<b>Lithuania - Occupational Exposure Limits</b>	
IPRV (OEL TWA)	2 mg/m <sup>3</sup> (inhalable fraction) 1 mg/m <sup>3</sup> (respirable fraction)
<b>Netherlands - Occupational Exposure Limits</b>	
TGG-8u (OEL TWA)	0.25 mg/m <sup>3</sup>
<b>Poland - Occupational Exposure Limits</b>	
NDS (OEL TWA)	4 mg/m <sup>3</sup> (inhalable fraction) 1 mg/m <sup>3</sup> (respirable fraction)

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### Talc (14807-96-6)

#### Portugal - Occupational Exposure Limits

Local name	Talco
OEL TWA	2 mg/m <sup>3</sup> (respirable fraction, particulate matter containing no Asbestos and < 1% Crystalline silica)
OEL chemical category	A4 - Not Classifiable as a Human Carcinogen
Remark	Sem fibras de amianto: A4 (Agente não classificável como carcinogénico no Homem). Com fibras de amianto: A1 (Agente carcinogénico confirmado no Homem)
Regulatory reference	Norma Portuguesa NP 1796:2014

#### Romania - Occupational Exposure Limits

OEL TWA	2 mg/m <sup>3</sup> (inhalable fraction, dust)
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#### Slovakia - Occupational Exposure Limits

NPHV (OEL TWA) [1]	2 mg/m <sup>3</sup> (respirable fraction, 5% or less fibrogenic component) 10 mg/m <sup>3</sup> (respirable fraction, greater than 5% fibrogenic component) 10 mg/m <sup>3</sup> (total aerosol)
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#### Slovenia - Occupational Exposure Limits

OEL TWA	2 mg/m <sup>3</sup> (respirable fraction)
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#### Spain - Occupational Exposure Limits

Local name	Talco (sin fibras de amianto)
VLA-ED (OEL TWA) [1]	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)
Remark	d (Véase UNE EN 481: Atmósferas en los puestos de trabajo. Definición de las fracciones por el tamaño de las partículas para la medición de aerosoles), e (Este valor es para la materia particulada que no contenga amianto y menos de un 1% de sílice cristalina).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2022. INSHT

#### Sweden - Occupational Exposure Limits

NGV (OEL TWA)	2 mg/m <sup>3</sup> (total dust) 1 mg/m <sup>3</sup> (respirable dust)
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#### United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1]	1 mg/m <sup>3</sup> (respirable dust)
WEL STEL (OEL STEL)	3 mg/m <sup>3</sup> (calculated-respirable dust)

#### Norway - Occupational Exposure Limits

Grenseverdi (OEL TWA) [1]	6 mg/m <sup>3</sup> (total dust) 2 mg/m <sup>3</sup> (respirable dust)
Korttidsverdi (OEL STEL)	6 mg/m <sup>3</sup> (total dust) 2 mg/m <sup>3</sup> (respirable dust)

#### Switzerland - Occupational Exposure Limits

MAK (OEL TWA) [1]	2 mg/m <sup>3</sup> (respirable dust)
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#### USA - ACGIH - Occupational Exposure Limits

Local name	Talc
ACGIH OEL TWA	2 mg/m <sup>3</sup> (Containing no asbestos fibers. E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter) 2 mg/m <sup>3</sup> (Containing asbestos fibers. R - Respirable particulate matter)
ACGIH OEL TWA [ppm]	0.1 fibers/cm <sup>3</sup> (Containing asbestos fibers. F - Respirable fibers)

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### Talc (14807-96-6)

Remark (ACGIH)	Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4 Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen containing no asbestos fibers
Regulatory reference	ACGIH 2022

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Provide local exhaust or general room ventilation.

#### 8.2.2. Personal protection equipment

##### 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.

##### 8.2.2.1. Eye and face protection

###### Eye protection:

Safety glasses. Contact lenses should not be worn

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Neoprene or nitrile rubber gloves

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified dust and mist (orange cartridge) respirator.

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

No additional information available

## 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 data available

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pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 1250 – 1350 °C
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.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (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

Talc (14807-96-6)	
LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 2.1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

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



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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 (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  
No teratogenic effects were found in animals after oral ingestion of talc.  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

### Talc (14807-96-6)

NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
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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 paroxysmal 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.

## 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

### Talc (14807-96-6)

LC50 - Fish [1]	> 100 g/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 - Fish [2]	110000 mg/l Test organisms (species): other:
NOEC (chronic)	1459798 mg/l Test organisms (species): other: Duration: '30 d'

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

### Talc (14807-96-6)

BCF - Fish [1]	(no known bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-9.4 Source: ECHA

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available



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### 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

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
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

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

###### POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

###### REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

###### Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

###### VOC Directive (2004/42)

VOC content : No additional information available

###### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

###### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

###### Germany

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

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

###### 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 – : The substance is not listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

###### Switzerland

Storage class (LK) : NG - Non-hazardous

#### 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:

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

SDS EU (REACH Annex II) - Custom v22

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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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