

**GELEST TALC TC****Safety Data Sheet TA7-TCA**

Issue date: 06/01/2017

Revision date: 23/08/2021

Version: 1.1

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 TC
Product code : TA7-TCA
Synonyms : TALC, TRIETHOXYOCTYLSILANE
Other means of identification : INCI NAME: TALC, TRIETHOXYCAPRYLYLSILANE

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.**

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]**

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**SECTION 3: Composition/information on ingredients****3.1. Substances**

Substance type : Multi-constituent
Name : GELEST TALC TC

GELEST TALC TC

Safety Data Sheet

CAS-No. : 14807-96-6 (&) 2943-75-1
EC-No. : 238-877-9 (&) 220-941-2

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Talc	(CAS-No.) 14807-96-6 (EC-No.) 238-877-9	98 – 99	Not classified
Triethoxycaprylsilane	(CAS-No.) 2943-75-1 (EC-No.) 220-941-2	1 – 2	Skin Irrit. 2, H315

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

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

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.

GELEST TALC TC

Safety Data Sheet

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 TC (14807-96-6 (&) 2943-75-1)		
Ireland	OEL STEL	30 mg/m ³ (calculated-total inhalable dust) 2.4 mg/m ³ (calculated-respirable dust)
Talc (14807-96-6)		
Austria	MAK (OEL TWA)	2 mg/m ³ (Asbestos-free fibers-respirable fraction)
Belgium	OEL TWA	2 mg/m ³
Bulgaria	OEL TWA	1 fibers/cm ³ (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction, fibers) 6 mg/m ³ (containing <2% free Crystalline silicon dioxide in respirable fraction-inhalable fraction) 3 mg/m ³ (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction)
Greece	OEL TWA	10 mg/m ³ (inhalable fraction) 2 mg/m ³ (respirable fraction)
Italy - Portugal - USA ACGIH	ACGIH OEL TWA	2 mg/m ³ (Respirable dust, TWA – 8 hr. period)
USA IDLH	IDLH	1000 mg/m ³ (containing no asbestos and <1% quartz)
USA NIOSH	NIOSH REL TWA	2 mg/m ³ (containing no Asbestos and <1% Quartz-respirable dust)
USA OSHA	OSHA PEL TWA [1]	2 mg/m ³ (Table Z-3 Mineral Dust, published by OSHA)
Spain	VLA-ED (OEL TWA) [1]	2 mg/m ³ (this value is for the particulate matter that is free from Asbestos and contains less than 1% of Crystalline silica-respirable fraction)
Switzerland	MAK (OEL TWA) [1]	2 mg/m ³ (respirable dust)
Netherlands	MAC-TGG (OEL TWA)	0.25 mg/m ³
United Kingdom	WEL TWA (OEL TWA) [1]	1 mg/m ³ (respirable dust)
United Kingdom	WEL STEL (OEL STEL)	3 mg/m ³ (calculated-respirable dust)
Czech Republic	PEL (OEL TWA)	2 mg/m ³
Denmark	OEL TWA [1]	0.3 fibers/cm ³ (containing fibers)
Finland	HTP (OEL TWA) [1]	0.5 fibers/cm ³ (fiber)
Finland	HTP (OEL STEL) [ppm]	2 ppm (granular form, inhalable dust) 1 ppm (granular form, respirable)
Hungary	AK (OEL TWA)	2 mg/m ³ (respirable)
Ireland	OEL TWA [1]	10 mg/m ³ (total inhalable dust) 0.8 mg/m ³ (respirable dust)
Ireland	OEL STEL	30 mg/m ³ (calculated-total inhalable dust) 2.4 mg/m ³ (calculated-respirable dust)
Lithuania	IPRV (OEL TWA)	2 mg/m ³ (inhalable fraction) 1 mg/m ³ (respirable fraction)
Norway	Grenseverdi (OEL TWA) [1]	6 mg/m ³ (total dust) 2 mg/m ³ (respirable dust)

GELEST TALC TC

Safety Data Sheet

Talc (14807-96-6)		
Norway	Korttidsverdi (OEL STEL)	6 mg/m ³ (total dust) 2 mg/m ³ (respirable dust)
Poland	NDS (OEL TWA)	4 mg/m ³ (inhalable fraction) 1 mg/m ³ (respirable fraction)
Romania	OEL TWA	2 mg/m ³ (inhalable fraction, dust)
Slovakia	NPHV (OEL TWA) [1]	2 mg/m ³ (respirable fraction, 5% or less fibrogenic component) 10 mg/m ³ (respirable fraction, greater than 5% fibrogenic component) 10 mg/m ³ (total aerosol)
Sweden	NGV (OEL TWA)	2 mg/m ³ (total dust) 1 mg/m ³ (respirable dust)
Canada (Quebec)	VEMP (OEL TWA)	3 mg/m ³ (respirable dust)
Australia	OES TWA [1]	2.5 mg/m ³ (containing no asbestos fibers)
Portugal	OEL TWA	2 mg/m ³ (respirable fraction, particulate matter containing no Asbestos and < 1% Crystalline silica)
Portugal	OEL chemical category	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 to off-white.
Odour	: Slight. characteristic.
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	: No data available
Solubility	: Insoluble in water.

GELEST TALC TC

Safety Data Sheet

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

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 CO₂ >400°C).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Triethoxycaprylsilane (2943-75-1)

LD50 oral rat	> 5110 mg/kg
---------------	--------------

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 (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

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.

GELEST TALC TC

Safety Data Sheet

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])

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 / IMDG / IATA / ADN / RID

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

GELEST TALC TC

Safety Data Sheet

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
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

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 TC is not on the REACH Candidate List

GELEST TALC TC is not on the REACH Annex XIV List

GELEST TALC TC 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 TC is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Regulatory reference : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)

Hazardous Incident Ordinance (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

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

GELEST TALC TC

Safety Data Sheet

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

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

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:

EUH210	Safety data sheet available on request.
H315	Causes skin irritation.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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.

© 2020 Gelest Inc. Morrisville, PA 19067