

**GELEST TALC SR****Safety Data Sheet TA7-SRA**

Issue date: 04/26/2016

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Version: 3.0

SECTION 1: Identification**1.1. Identification**

Product name : GELEST TALC SR
Product code : TA7-SRA
Product form : Substance
Physical state : Solid
Synonyms : TALC, HYDROXY FUNCTIONAL SILICATE RESIN
Other means of identification : INCI NAME: TALC, TRIMETHYLSILOXYSILICATE, POLYMETHYLSILSESQUIOXANE

1.2. Recommended use and restrictions on use

Recommended use : Pigment
Cosmetics, personal care products

1.3. Supplier**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

1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS US classification**

Not classified

2.2. GHS Label elements, including precautionary statements**GHS US labeling**

No labeling applicable

2.3. Hazards not otherwise classified (HNOC)

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

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

Substance type : Multi-constituent
Name : GELEST TALC SR
CAS-No. : 14807-96-6

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Name	Product identifier	%	GHS US classification
Talc	CAS-No.: 14807-96-6	94 – 97	Not classified
Trimethylsiloxysilicate	CAS-No.: 56275-01-5	1 – 4	Not classified
Chlorite	CAS-No.: 1318-59-8	~ 2	Not classified

Full text of hazard classes and 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 victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash with plenty of soap and 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 (acute and delayed)

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract. 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.
Chronic 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.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: None.
Unsuitable extinguishing media	: None known.

5.2. Specific hazards arising from the chemical

Fire hazard	: None.
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5.3. Special protective equipment and precautions for fire-fighters

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.

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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 : 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. Provide local exhaust or general room ventilation to minimize exposure to dust. Talc, like all fine powders, can create dust when handled.
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 in a clean and dry place in closed containers.
Storage area : Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Trimethylsiloxysilicate (56275-01-5)

USA - OSHA - Occupational Exposure Limits

OSHA PEL (TWA) [1]	15 mg/m ³ (nuisance dust)
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Talc (14807-96-6)

USA - ACGIH - Occupational Exposure Limits

Local name	Talc
ACGIH OEL TWA	2 mg/m ³ (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 ³ (Containing asbestos fibers. R - Respirable particulate matter)
ACGIH OEL TWA [ppm]	0.1 fibers/cm ³ (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

USA - OSHA - Occupational Exposure Limits

Local name	Talc (not containing asbestos) (Silicates (less than 1% crystalline silica))
OSHA PEL (TWA) [1]	2 mg/m³ (Table Z-3 Mineral Dust, published by OSHA)
OSHA PEL (TWA) [2]	20 mppcf
Remark (OSHA)	Table Z-3. CAS No. source: eCFR Table Z-1.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts

USA - IDLH - Occupational Exposure Limits

IDLH	1000 mg/m³ (containing no asbestos and <1% quartz)
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL (TWA)	2 mg/m³ (containing no Asbestos and <1% Quartz-respirable dust)
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8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation.

8.3. Individual protection measures/Personal protective equipment

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

Physical state	: Solid
Appearance	: Powder.
Color	: White.
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: 1250 – 1350 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor 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
Oxidizing properties	: No data available
Explosion 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

This product is stable under the normal storage and handling 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 (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Trimethylsiloxysilicate (56275-01-5)

LD50 oral rat	> 5000 mg/kg
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Talc (14807-96-6)

LD50 oral rat	> 5000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA

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Talc (14807-96-6)

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)
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Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: 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

Talc (14807-96-6)

NOAEL (oral, rat, 90 days)	100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
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Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Talc is neither orally nor cutaneously toxic.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract. 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.
Chronic 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.

SECTION 12: Ecological information

12.1. Toxicity

Trimethylsiloxysilicate (56275-01-5)

LC50 - Fish [1]	30780.012 mg/l Source: EPI SUITE
EC50 96h - Algae [1]	1711.73 mg/l Source: EPI SUITE

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:
EC50 96h - Algae [1]	7202.7 mg/l Source: ECHA
NOEC (chronic)	1459798 mg/l Test organisms (species): other: Duration: '30 d'

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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

Trimethylsiloxysilicate (56275-01-5)

Mobility in soil 0.2466 Source: EPI SUITE

12.5. Other adverse effects

Effect on the ozone layer : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.
Product/Packaging disposal recommendations : Talc is not a hazardous waste. 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 DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
Transport document description			
Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Not applicable	Not applicable
No supplementary information available			

14.6. Special precautions for user

DOT
No data available

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TDG

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Trimethylsiloxysilicate	56275-01-5	Present	Active	
Talc	14807-96-6	Present	Active	
Chlorite	1318-59-8	Not present	-	

15.2. International regulations

CANADA

Trimethylsiloxysilicate (56275-01-5)

Listed on the Canadian NDSL (Non-Domestic Substances List)

Talc (14807-96-6)

Listed on the Canadian DSL (Domestic Substances List)

Chlorite (1318-59-8)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

EU-Regulations

Talc (14807-96-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Chlorite (1318-59-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Trimethylsiloxysilicate (56275-01-5)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

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Talc (14807-96-6)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on TECI (Thailand Existing Chemicals Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Chlorite (1318-59-8)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Talc (14807-96-6)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

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.

Hazard Rating

Health

: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability

: 0 Minimal Hazard - Materials that will not burn

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Prepared by safety and environmental affairs.

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SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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