

TALC POWDER

SAFETY DATA SHEET

Preparation Date: 01.01.2022

Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: T1005
Product Name: TALC, POWDER, USP

Other means of identification

Synonyms: Talcum
Hydrous Magnesium Silicate
CAS #: 14807-96-6
RTECS # WW2710000
Cl#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Ceramics. In paper coatings.
Uses advised against No information available

Supplier:

REF-SAN IZOLASYON SAN.TIC.LTD.STI.
Inkoy Mh. Perli Yolu Cd. No:19 MERKEZ / KUTAHYA / TURKEY
+90 274 225 17 19
www.refsan.com.tr

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Emergency telephone number [+90 850 255 0 274](tel:+908502550274)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Carcinogenicity	Category 1A
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Label elements

Danger

Hazard statements

May cause cancer

**Hazards not otherwise classified (HNOC)**

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response*IF exposed or concerned: Get medical advice/attention***Precautionary Statements - Storage**

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS
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Components	CAS-No.	Weight %
Talc	14807-96-6	99-99.9
Silicon Dioxide, crystalline	14808-60-7	0.1-1.0

4. FIRST AID MEASURES**First aid measures****General Advice:**

National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

Skin Contact:

Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops.

Eye Contact:

Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. In case of shortness of breath, give oxygen. Obtain medical attention.

Ingestion:

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed**Symptoms**

May cause eye/skin irritation

May cause digestive (gastrointestinal) tract irritation

Indication of any immediate medical attention and special treatment needed**Product code:** T1005**Product name:** TALC, POWDER,
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Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media:

No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products:

If it is involved in a fire the following can be released:
Silicon oxides. Magnesium oxides.

Specific hazards:

No information available.

Special Protective Actions for Firefighters

Specific Methods:

No information available.

Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions:

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment

Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe vapors/dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and

safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

Incompatible Materials:

Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Talc	14807-96-6	20	= 2 mg/m ³ TWA	= 2 mg/m ³ TWA respirable fraction, particulate matter containing no asbestos and <1% crystalline silica	None
Silicon Dioxide, crystalline	14808-60-7	50 µg/m ³ TWA (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction	0.05 mg/m ³ TWA	0.025 mg/m ³ TWA respirable particulate matter	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Talc	14807-96-6	= 2 mg/m ³ TWA	= 2 mg/m ³ TWA particulate particulate matter containing no asbestos and less than 1% crystalline silica	2 mg/m ³ TWA respirable	3 mg/m ³ TWAEV respirable dust
Silicon Dioxide, crystalline	14808-60-7	0.025 mg/m ³ TWA respirable particulate	0.025 mg/m ³ TWA respirable	0.10 mg/m ³ TWA respirable Silica, crystalline	0.1 mg/m ³ TWAEV respirable dust

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Talc	14807-96-6	None	= 2 mg/m ³ TWA
Silicon Dioxide, crystalline	14808-60-7	0.1 mg/m ³ TWA	0.1 mg/m ³ TWA

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

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Personal Protective Equipment

Eye protection:	Goggles Safety glasses with side-shields
Skin and body protection:	Long sleeved clothing Chemical resistant apron Gloves
Respiratory protection:	Wear respirator with dust filter.
Hygiene measures:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid	Appearance: Powder.	Color: White. Grayish White.
Odor: Odorless.	Taste Tasteless.	Formula: 3MgO.4SiO ₂ .H ₂ O
Molecular/Formula weight: 379.29	Flammability: No information available	Flashpoint (°C/°F): No information available.
Flash Point Tested according to: Not applicable	Autoignition Temperature (°C/°F): No information available	Lower Explosion Limit (%): No information available
Upper Explosion Limit (%): No information available	Melting point/range(°C/°F): No information available	Decomposition temperature(°C/°F): No information available
Boiling point/range(°C/°F): No information available	Bulk density: No information available	Density (g/cm³): No information available
Specific gravity: 2.5-2.8	pH: No information available	Vapor pressure @ 20°C (kPa): No information available
Evaporation rate: No information available	Vapor density: No information available	VOC content (g/L): No information available
Odor threshold (ppm): No information available	Partition coefficient (n-octanol/water): No information available	Viscosity: No information available
Miscibility: No information available	Solubility: Insoluble in water Sparingly soluble in Acetone Very slightly soluble in Ethanol Slightly soluble in Methanol	

10. STABILITY AND REACTIVITY

Reactivity
Reactive with oxidizing agents

Chemical stability

Stability: Stable under recommended storage conditions.

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Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Incompatible materials.

Incompatible Materials: Oxidizing agents

Hazardous decomposition products: Magnesium oxides. Silicon oxides.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Ingestion. Inhalation.

Acute Toxicity

Component Information

Talc	
CAS-No.	14807-96-6

LD50/oral/rat = No information available

LD50/oral/mouse = No information available

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50 information = No information available

Silicon Dioxide, crystalline	
CAS-No.	14808-60-7

LD50/oral/rat = 500 mg/kg Oral LD50 Rat (from EU Commission - EU Chemicals Bureau - particle size was 10-20 µm)

LD50/oral/mouse = No information available

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =

Value - Acute Tox Oral = No information available

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

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LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: May cause skin irritation. It may cause mild skin irritation. Do not get on broken skin. It will contaminate the wound and can cause a severe granulomatous reaction.

Eye Contact: May cause eye irritation.

Inhalation May cause irritation of respiratory tract. Symptoms may include coughing, labored breathing, sneezing, cyanosis, and vomiting. It may produce permanent effects in the lungs.

Ingestion Low hazard. May cause digestive (gastrointestinal) tract irritation.

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Prolonged or repeated exposure by inhalation may cause Talc pneumoconiosis (Talcosis) which affects the lungs.

Sensitization: No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Contains 0.1-1% crystalline silica which is an IARC Group 1 carcinogen (Carcinogenic to Humans) and an ACGIH Group 2 carcinogen (Suspected Human Carcinogen).

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Talc	14807-96-6	Group 2B - Possibly carcinogenic to humans - Monograph 93 [2010] Supplement 7 [1987] Monograph 42 [1987]	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed
Silicon Dioxide, crystalline	14808-60-7	Group 1- Carcinogenic to Humans - Monograph	A2 Suspected Human Carcinogen	Known Human Carcinogen Silica, crystalline	Present	Not listed	Not listed

		100C [2012] Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources Monograph 68 [1997]		(respirable size)			
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ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available

Developmental Effects: No information available

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Talc - 14807-96-6

Freshwater Fish Species Data: 100 g/L LC50 Brachydanio rerio 96 h semi-static 1

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Talc	14807-96-6	None	None	None	None
Silicon Dioxide, crystalline	14808-60-7	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Class	No information available
Packing group:	No information available
Emergency Response Guide Number	No information available
Marine Pollutant	No data available
DOT RQ (lbs):	No information available
Special Provisions	No Information available
Symbol(s):	No information available
Description:	No information available

TDG (Canada)

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available
Marine Pollutant	No Information available
Description:	No information available

ADR

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Packing Group:	No information available
Subsidiary Risk:	No information available

IMO / IMDG

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available
Marine Pollutant	No information available

RID

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available

ICAO

UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available

IATA

UN-No:	Not Regulated
Proper Shipping Name:	No information available

Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
ERG Code: No information available
Special Provisions No information available

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Talc	14807-96-6	Present	Present KE-32773	Present	Present (1)-468	Present	Present	Present 238-877-9
Silicon Dioxide, crystalline	14808-60-7	Present	Present KE-29983	Present	Present (1)-548	Present	Present	Present 238-878-4

U.S. Regulations

Talc

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 1773
Pennsylvania RTK: Present
Minnesota - Hazardous Substance List: Present
California Directors List of Hazardous Substances: Present
FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 182.70 21 CFR 182.90

FDA - 21 CFR - Total Food Additives 175.300 175.380 175.390 176.170 177.1210 177.1350 177.1460 178.3297 182.70 182.90 73.1550

Silicon Dioxide, crystalline

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 1660
Pennsylvania RTK: Present
Minnesota - Hazardous Substance List: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

WARNING: This product contains a chemical known to the State of California to cause cancer. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Talc	14807-96-6	Not Listed	Not Listed	Not Listed	Not Listed
Silicon Dioxide, crystalline	14808-60-7	carcinogen (airborne particles of respirable size)	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Talc	14807-96-6	None	None	None	None	None
Silicon Dioxide, crystalline	14808-60-7	None	None	None	None	None

U.S. TSCA

Product code: T1005

Product name: TALC, POWDER, USP

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Talc	14807-96-6	Not Applicable	Not Applicable
Silicon Dioxide, crystalline	14808-60-7	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component

Talc
14807-96-6 (99-99.9)

WHMIS 2015 Hazard Classification

Specific target organ toxicity - Repeated exposure - Category 1: H372 Causes damage to organs through prolonged or repeated exposure.; Combustible Dust - Category 1: May form combustible dust concentrations in air (factors such as combustibility and explosiveness of dusts including composition and shape and size of particles could cause substance to belong to 'Combustible dust' hazard class)

Silicon Dioxide, crystalline
14808-60-7 (0.1-1.0)

Carcinogenicity - Category 1A: H350 May cause cancer.; Specific target organ toxicity - Repeated exposure - Category 1: H372 Causes damage to organs through prolonged or repeated exposure.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class

D2A Very toxic materials

Components

Talc
Silicon Dioxide, crystalline

WHMIS 1988

D2A

D2A In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Silicon Dioxide, crystalline	1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Talc	14807-96-6	Present	Not Listed
Silicon Dioxide, crystalline	14808-60-7	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Talc	14807-96-6	Not listed
Silicon Dioxide, crystalline	14808-60-7	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Talc	14807-96-6	Not listed
Silicon Dioxide, crystalline	14808-60-7	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

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Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Talc	14807-96-6	
Silicon Dioxide, crystalline	14808-60-7	

EU - CLP (1272/2008)

R-phrase(s)

not determined (not applicable)

S -phrase(s)

none

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Talc	14807-96-6		No information	
Silicon Dioxide, crystalline	14808-60-7		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

None.

16. OTHER INFORMATION

Preparation Date: 1/27/2015
Revision Date: 11/8/2017
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet