



Section 1. Product and Company Identification

Product Name Talc Powder
CAS Number 14807-96-6

Parchem - fine & specialty chemicals
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CHEMTEL
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Collect Calls Accepted

Section 2. Hazards Identification

GHS Classification of the Substance or Mixture: Not Classified

Repeated and prolonged exposure to large amounts of talc dust can cause lung injury (pneumoconiosis). Risk of injury is dependent on the duration and level of exposure.

Section 3. Composition / Information on Ingredients

Common Name Talc Powder
Synonym(s) Talc, steatite, soapstone, hydrous magnesium silicate
CAS Number 14807-96-6

COMPONENT	CAS NUMBER	CONCENTRATION
Talc (hydrous magnesium silicate)	14807-96-6	> 96%
Chlorite	1318-59-8	< 3%
Dolomite	16389-88-1	< 1%
Magnesite	546-93-0	< 1%

Section 4. First Aid Measures

Description of first aid measures

Inhalation: Remove to fresh air.

Ingestion: Drink plenty of water. Never give liquid to an unconscious person.

Eye contact: Immediately rinse with water for several minutes.

Skin contact: Wash skin thoroughly with soap and water.

Section 5. Firefighting Measures

Extinguishing media: All extinguishing media can be used.

Special hazards arising from the substance or mixture: The product is not flammable, combustible or explosive. No hazardous thermal decomposition.



Advice for fire-fighters: No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use proper respiratory and personal protective equipment. MSHA/NIOSH or OSHA/NIOSH approved respirator recommended. Spilled materials may cause slippery conditions when wet. Care should be exercised when walking on spills on floor or concrete pads.

Methods and material for containment and cleaning up: Dry product should be cleaned with a shovel or vacuum cleaner while wearing the personal protective equipment described above. Do not discharge into drains, watercourses or onto the ground. Washing the floor with water is not recommended since it may cause the floor to become slippery. However, if talc is already wet, and only in this case, the floor should be thoroughly flushed with water to remove all slipperiness.

Section 7. Handling and Storage

Precautions for safe handling: Minimize dust generation and accumulation. If excessive dust is generated, provide adequate ventilation and use proper respiratory and personal protective equipment.

Conditions for safe storage: Keep the product dry and in closed containers. Store it in a cool and well ventilated space.

Section 8. Exposure Controls / Personal Protection

Control parameters: Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, and respirable crystalline silica dust). In the U.S., the ACGIH OEL (Occupational Exposure Limit) for talc containing no asbestos fibers and less than 1% crystalline silica is 2 mg/m³ respirable fraction measured as an 8-hour TWA (Time Weighted Average). The OSHA exposure limit for talc is 20 mppcf Permissible Exposure Limit (PEL) TWA. For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

Appropriate engineering controls: Use exhaust ventilation, if required, to maintain dust concentration below recommended exposure limits.

Personal protection measures

Eye protection: Wear side shield safety glasses.

Hand protection: Rubber gloves are recommended for prolonged exposure.

Respiratory protection: If a respirator is required, use of a MSHA/NIOSH or OSHA/NIOSH approved respirator is recommended.

Section 9. Physical and Chemical Properties

Appearance: White or off white to light grey powder

Odor: Odorless

pH: 9-9.5 (suspension of 10% talc in water)



Melting point: >1300°C

Flammability (solid, gas): Not flammable

Upper/lower flammability or explosive limits: Not explosive. Limits do not apply.

Relative density: 2.58-2.83 g/cm³

Solubility(ies)

Solubility in water: Negligible

Solubility in hydrofluoric acid: Yes

Decomposition temperature: >1000°C

Explosive properties: Not explosive

Oxidizing properties: Non-oxidizing

Section 10. Stability and Reactivity

Reactivity: Inert, not reactive

Chemical stability: Chemically stable

Possibility of hazardous reactions: No hazardous reaction

Conditions to avoid: None

Incompatible materials: None known

Hazardous decomposition products: None

Section 11. Toxicological Information

Carcinogenic Status

IARC: In 2006, IARC concluded that inhaled talc not containing asbestos or asbestiform fibers is not classifiable as a human carcinogen (Group 3). IARC ruled that there is limited evidence that the use of talc based body powder for perineal dusting is a possible risk factor for ovarian cancer (Group 2B). This is not a route of exposure relevant to workers and applies only to one specific use of talc.

OSHA: Not listed

ACGIH: A4 - not classified as a human carcinogen

WHMIS: Class D-2A: very toxic material causing other toxic effects [reference: NTP, Technical report on the toxicology and carcinogenesis studies of talc (CAS no. 14807-96-6) in F344/N rats and B6C3F1 mice (inhalation studies). Technical report series, No. 421. Research Triangle Park, N.C.: EPA. (1993)]. Chronic toxic effect: impaired pulmonary function in rats at 6 mg/m³.

NTP: Not listed



Section 12. Ecological Information

Aquatic Toxicity: No known effects

Persistence and degradability: This product is an inorganic substance and therefore is not considered biodegradable.

Bioaccumulative potential: Not relevant

Mobility in soil: Negligible

Other adverse effects: No specific adverse effects known

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

US Department of Transportation (DOT): No classification assigned

Canadian Transportation of Dangerous Goods: No classification assigned

Land Transport - ADR/RID: No classification assigned

Air Transport - IATA/ICAO: No classification assigned

Maritime Transport - IMDG: No classification assigned

Harmonized Tariff Code: Talc - crushed or powdered. 2526.20.00 (stat suffix 00).

EPA TSCA 12(B) Export Notification: Not listed

Section 15. Regulatory Information

International regulations

Industrial Safety and Health Law: This product does not contain harmful or controlled hazardous substances under ISHL. It contains <1% crystalline silica.

Toxic Chemical Control Act: This product does not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.

Dangerous Substance Management Law: This product does not contain chemical substances regulated under DSML.

Waste Management Law: Dispose of this product in accordance with the waste treatment standards prescribed in Waste Management Law.

Other regulations based on domestic or foreign laws: The following inventories have been investigated as to the publicly available portion of the lists:

MINERAL	CAS Number	EINECS (EU)	AICS (Australia)	CEPA (DSL/NDSL) (Canada)	KECI Korean Gazette No. (Korea)	ENCS/ISHL (Japan)
Talc	14807-96-6	238-877-9	Yes	Yes (DSL)	KE-32773	Yes*
Chlorite	1318-59-8	215-285-9	No	Yes* (DSL)	KE-05489	Yes*
Dolomite	16389-88-1	240-440-2	Yes	Yes (NDSL)	KE-13036	Yes*
Magnesite	546-93-0	208-915-9	Yes	Yes (DSL)	KE-22686	Yes

MINERAL	IECSC (China)	PICCS (Philippines)	TSCA (USA)	Swiss ID No. (Switzerland)	NZIoC (New Zealand)	CSNN (Taiwan)
Talc	Yes	Yes	Yes	G-6939	Yes	Yes
Chlorite	Yes	Yes	Yes*	Not Listed	Yes	Yes
Dolomite	Yes	Yes	Yes	G-8431	Yes	Yes
Magnesite	Yes	Yes	Yes	G-7477	Yes	Yes

Yes*: There exists a broad category for naturally occurring chemicals, so these minerals are covered by definition, but not specifically listed.

Chemical safety assessment: Exempted from REACH registration in accordance with Annex V.7

Other pertinent classifications/regulations

California PROP 65 Status: Talc is not listed.

State Right-To-Know: Talc is listed in Illinois, Massachusetts, New Jersey, Pennsylvania and Florida.

Clean Air Act - Ozone depleting chemicals (ODC): None

CONEG Approved Packaging: Yes

National Fire Protection Association (NFPA) Ratings (0- 4 scale)

Health: 0

Fire: 0

Reactivity: 0

National Paint and Coating Association (NPCA) - Hazardous Material Identification System (HMIS)

Health: 1* (chronic potential)

Flammability: 0

Physical: 0

Personal protection: dust respirator, safety glasses or goggles, gloves



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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