

## Material Safety Data Sheet

### Talc

#### Section 1 - Chemical Product and Company Identification

MSDS Name : Talc  
Synonyms : Talc  
Chemical Formula :  $\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$   
Company Identification : Tradeasia International Pte Limited  
133 Cecil Street # 12-03 Keck Seng Tower, Singapore  
Phone : +65-6227 6365  
Fax : +65-6225 6286  
Email: [contact@chemtradeasia.com](mailto:contact@chemtradeasia.com)

#### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent weight
14807-96-6	Talc	99%
1318-59-8	Chlorite	1%

#### Section 3 - Hazards Identification

##### Potential Acute Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

##### Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH,  
3 (Not classifiable for human.) by IARC.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

The substance may be toxic to lungs.

## Section 4 - First Aid Measures

### Eye Contact:

Direct contact can cause irritation. Flush the affected eye(s) with clean water while holding the eyelids open; if irritation or redness develops, seek medical attention.

### Skin Contact:

Usually of no concern; broken skin can be cleansed with mild soap and water. If irritation or redness develops and persists, seek medical attention.

### Inhalation:

In case of acute overexposure, if an irritation of the upper respiratory tract develops, move subject away from source of exposure and into fresh air. Treatment should be limited to the control of symptoms: coughing, expectoration, sneezing, and difficult breathing. In case of massive accidental inhalation, seek medical assistance.

### Ingestion:

No adverse effects having been observed, no specific antidote is necessary.

## Section 5 - Fire Fighting Measures

### NOT FLAMMABLE - NOT EXPLOSIVE

**Extinguishing media:** Use a medium suitable for the surrounding fire. Fire-fighting procedures: None required.

## Section 6 - Accidental Release Measures

**Personal precautions:** In case of exposure to prolonged or high level of airborne dust, wear a personal respirator in compliance with national legislation.

**Environmental precautions:** No special requirement.

**Methods for cleaning up:** In case of release on working area floors, clean up with a shovel and/or vacuum cleaner and vacuum the residues. If the product is clean and dry, it may be packed in a convenient container and disposed of. Avoid dust formation and wind dispersal.

It is not recommended to wash the floor with water since it would become extremely slippery. However, if the dispersed 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

### Handling:

No special handling precautions are required. Good housekeeping and dust prevention procedures should be followed to minimise dust generation and accumulation. In case of insufficient ventilation, wear suitable respiratory equipment.

### Storage:

No specific requirements. Provide appropriate ventilation and store bags such as to prevent any accidental damage.

## Section 8 - Exposure Controls, Personal Protection

**Exposure limit values:** Respect regulatory provisions for dust (total and respirable) and for talc.

### Exposure controls

**Occupational exposure controls:** Provide appropriate exhaust ventilation and filtering at the places where dust can be generated. Wash hands before breaks and at the end of the workday. Remove and wash soiled clothing.

**Respiratory protection:** In case of prolonged exposure to dust wear a personal respirator in compliance with national legislation.

**Hand protection:** Protective gloves are not necessary. They may be worn by workers susceptible to skin irritation or dryness.

**Eye protection:** If necessary, safety goggles may be worn to prevent eye contact with large quantities of airborne dust.

**Environmental exposure controls:** No special requirement.

## Section 9 - Physical and Chemical Properties

### General information

**PHYSICAL STATE:** solid presented in powder form

**COLOR:** white, off white to light grey

**ODOR:** odorless

## Important health, safety and environmental information

**REAL DENSITY:** 2.75 g/cm<sup>3</sup> (DIN/ISO 787, Part 10)

**MELTING TEMPERATURE:** 1250-1350 °C

**pH:** suspension 10 % talc in water: pH = 9 (DIN/ISO 787, Pt 9)

**FLASH POINT:** not applicable

**EXPLOSIVE PROPERTIES:** not applicable

**SOLUBILITY IN WATER:** < 0.2% (DIN/ISO 787, Part 3)

**SOLUBILITY IN HYDROFLUORIC ACID:** soluble

**DECOMPOSITION TEMPERATURE:** starting around 550°C,

## Section 10 - Stability and Reactivity

Chemically stable, no particular incompatibility, no hazardous decomposition product.

## Section 11 - Toxicological Information

No known toxicological effects.

## Section 12 - Ecological Information

No known environmental effects. Not persistent, not bioaccumulative. Trials carried out by the Laboratoire Municipal de Bordeaux on the acute toxicity of a product suspended in water (LD50), according to the French NF T 90-303 norm, showed that talc had no adverse effect whatsoever on fish: no effect was shown in spite of a very high concentration of 100 g/l, i.e. 100 000 times the dose considered as toxic.

## Section 13 - Disposal Considerations

Contact local authorities.

## Section 14 - Transportation Information

RID/ADR (Int. Regulation for Transport of dangerous Products by road and rail): NOT LISTED

DOT (Department of Transportation classification): NOT HAZARDOUS

BC Code (Code of Safe Practice for Solid Bulk Cargoes) : NOT HAZARDOUS

IMGD (Intern. Maritime Dangerous Goods Code) : NOT HAZARDOUS

UN Classification for dangerous goods : NOT LISTED

IATA-DGR Class (Air Transport Regulation) : NOT REGULATED

### **Section 15 - Other Information**

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