



9999 Bellaire Blvd., Suite 1088 Houston, Texas 77036  
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## MATERIAL SAFETY DATA SHEET

Product/Material: Talc  
Manufacturer/Distributor: MinChem International, Inc.  
Address: 9999 Bellaire Blvd. Suite 1088, Houston, TX 77036  
Telephone: 713-266-8558

### SECTION I: PRODUCT IDENTIFICATION

Trade Name: Talc  
Synonym: Soapstone  
Chemical Family: Magnesium Silicate Hydrate  
Formula:  $3\text{MgO} \cdot 4\text{SiO}_2 \cdot \text{H}_2\text{O}$   
CAS NUMBER: 14807-96-6  
HMIS: Health 0  
Flammability 0  
Reactivity 0

### SECTION II: HAZARDOUS INGREDIENTS

Talc (non-asbestiform)

Talc contains crystalline silica at levels greater than 0.1% but less than 1.0%. These levels are "typical" and may change slightly with different lots. IARC has determined silica to be a Class 2A carcinogen.

### SECTION III: PHYSICAL DATA

Boiling Point	Not Applicable
Vapor Pressure (mmHg)	Not Applicable
Vapor Density	Not Applicable
Solubility in Water	Insoluble
Specific Gravity	2.5-2.8
Percent Volatile by Weight	0
Evaporation Rate	0
Appearance and Odor	White to off-white powder, odorless

#### **SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Flash Point	Nonflammable
Flammable Limits	LEL – Nonflammable UEL – Nonflammable
Extinguishing Media	Water
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None

#### **SECTION V: HEALTH HAZARD DATA**

Threshold Limit Values	20 mppcf (OSHA PEL)
(TWA – 8 hour period)	2 mg/M <sup>3</sup> , respirable dust (ACGIN)

Effects of Overexposure: Acute health effects – may cause mechanical irritation to eyes and respiratory tract.

Chronic health effects – repeated exposure to high amounts of talc can cause scarring of the lungs. This takes years to develop and can lead to abnormal chest x-ray, shortness of breath, cough, and possible disability or death.

Target Organ                      Lungs

Primary Entry Routes           Inhalation, ingestion

Carcinogenicity                Not listed with NTP, IARC or OSHA as a known or suspected carcinogen.

#### **Emergency and First Aid Procedures**

Eye Contact                      Flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact                      Wash from skin with mild soap and water.

Ingestion                         If conscious, give large quantities of water to induce vomiting. Get medical attention.

Inhalation                        Remove from the exposure area.

#### **Medical Conditions**

Aggravated by exposure      Persons suffering from chronic respiratory diseases may be at increased risk.

#### **SECTION VI – REACTIVITY DATA**

Incompatibility                 None

Hazardous decomposition  
Products

None

Hazardous polymerization will not occur.

## SECTION VII – SPILL OR LEAK PROCEDURES

Steps to take in case material is released or spilled: Normal cleanup procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems are recommended. Do not flush into sewer.

Waste Disposal Method: Disposal must be made in accordance with federal, state and local regulations.

## SECTION VIII -- SPECIAL PROTECTION INFORMATION

Eye Protection	Safety glasses, goggles, face shield. (Use the most appropriate.)
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Skin Protection      Leather or rubber gloves.

Respiratory Protection	Use of a NIOSH approved dust respirator is recommended when exposure limits may be exceeded.
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Ventilation	Local exhaust ventilation to collector or containment recommended to control dust to below exposure limits.
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## SECTION IX – SPECIAL PRECAUTIONS

Good industrial hygiene practice requires that employee exposure be maintained below the recommended TLV. This is preferably achieved through the provision of adequate ventilation where necessary. Where dust cannot be controlled in this way, personal respiratory protection should be employed.

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