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**FOR CHEMICAL EMERGENCY  
CALL (800) 424-9300 24 HRS.**

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## SECTION 1 – CHEMICAL PRODUCT and COMPANY IDENTIFICATION

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PRODUCT NAME: PART #131, Talc

SYNONYM: Industrial Talc

CHEMICAL NAME: Hydrous Calcium Magnesium Silicate Mineral Mixture

CHEMICAL FAMILY: Phyllosilicates (structural)

MATERIAL USE: Additive in paints and ceramics

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## SECTION 2 – HAZARDOUS INGREDIENTS

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Physical state: Solid. (Powder.)  
Odour: Odorless.  
Colour: White to light grey.  
Hazard status: This material is classified as not hazardous under OSHA regulations in the United States, the WHMIS in Canada and the NOM-018-STPS-2000 in Mexico  
Emergency overview: **CAUTION!**  
**MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION.**  
Avoid contact with eyes. Avoid breathing dust. Keep container closed. Used only with adequate ventilation.  
Wash thoroughly after handling.  
Routes of entry: Eye contact. Inhalation. Ingestion.  
Potential acute health effects  
Eyes: Not an Acute Hazard, high concentrations may cause mechanical irritation to the eyes.  
Skin: High concentrations may cause irritation.  
Inhalation: Prolonged inhalation of dust may cause lung injury.  
Ingestion: No known significant effects or critical hazards.  
Potential chronic health effects: Carcinogenic effects Classified A4 (Not classifiable for humans or animals.) by ACGIH (TALC).  
Mutagenic effects: Not available

Teratogenic effects: Not available

Medical conditions

Aggravated by over-exposure: Repeated exposure of the eyes to a low level of dust can produce eye irritation.

Over exposure signs/symptoms: This natural mineral product does not contain Free crystalline silica or asbestos fiber.

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### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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#### United States

Names	CAS number	%
Talc	14807-96-6	60-100
Calcium Carbonate	471-34-1	10-30
Mica	12001-26-2	1-5
Tremolite (Non-asbestiform)	14597-73-8	1-5

#### Canada

Names	CAS number	%
Talc	14807-96-6	60-100
Calcium Carbonate	471-34-1	10-30
Mica	12001-26-2	1-5
Tremolite (Non-asbestiform)	14597-73-8	1-5

Mexico								
Classification								
Name	UN number	IDLH	H	F	R	Special	CAS number	%
Talc	Not regulated	1000 mg/m <sup>3</sup>	1	0	0		14807-96-6	60-100
Calcium Carbonate	Not regulated		0	0	0		471-34-1	10-30
Mica	Not regulated	1500 mg/m <sup>3</sup>	0	0	0		12001-26-2	1-5
Tremolite (Non-asbestiform)	Not regulated		1	0	0		14567-73-8	1-5

## SECTION 4 - FIRST AID MEASURES

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**Eye Contact:** Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty water. Get medical attention if symptoms occur.

**Skin Contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Notes to physician:** No specific antidote.

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## SECTION 5 – FIRE-FIGHTING MEASURES

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**Flammability of the Product:** Non-flammable

**Extinguishing media suitable:** Use an extinguishing agent suitable for the surrounding fire.

**Not suitable:** None known

**Special exposure hazards:** No specific hazard

**Special protective equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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**Personal precautions:** Use suitable protective equipment.

**Environmental precautions:** Avoid dispersal of spilled material. Runoff and contact with soil, waterways, drains and sewers.

**Methods for cleaning up:** Avoid creating dusty conditions and prevent wind dispersal.

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## SECTION 7 – HANDLING and STORAGE

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**Handling:** Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes. Keep container closed. Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling.

**Storage:** Keep container tightly closed. Keep container in a cool well-ventilated area.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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### United States

**Product name**

**Exposure limits**

**Talc**

**ACGIH TLV (United States, 1/2006).**

TWA: 2 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)

**NIOSH REL (United States, 9/2005)**

TWA: 2 mg/m<sup>3</sup> 65534 times per shift, 10 hours From Respirable fraction

**OSHA PEL Z3 (United States, 9/2005)**

STEL: 1 F/CC 65534 times per shift. 30 minute(s). From: not containing asbestos

TWA: 20 MPPCF 65534 times per shift, 8 hour(s). From: not containing asbestos

**Calcium Carbonate**

**ACGIH TLV (United States, 1/2006).**

TWA: 10mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)

**OSHA PEL (United States, 1/2006).**

TWA: 5 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s). Form Respirable fraction

TWA: 15 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s). Form: Total dust

**Mica**

**ACGIH TLV (United States, 1/2006)**

TWA: 3 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)

**NIOSH REL (United States, 12/2001).**

TWA: 3mg/m<sup>3</sup> 65534 times per shift, 10 hour(s). Form: Respirable fraction

OSHA PEL Z3 (United States, 9/2005)

TWA: 20 MPPCF 65534 times per shift, 8 hour(s)

**Tremolite (Non-asbestiform)**

**ACGIH TLV (United States, 1/2006)**

TWA: 0.1 F/CC 65534 times per shift, 8 hour(s)

**OSHA PEL (United States, 11/2006)**

TWA: 0.1 F/CC 65534 times per shift, 8 hour(s) Form: Respirable dust / Non-asbestiform

### Canada

**Product name**

**Exposure limits**

**Talc**

**ACGIH TLV (United States, 1/2006).**

TWA: 2 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)

**Calcium Carbonate**

**ACGIH TLV (United States, 1/2006).**

TWA: 10 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)

**Mica** **ACGIH TLV (United States, 1/2006)**  
TWA: 3 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)

**Dolomite** **ACGIH TLV (Canada)**  
TWA: 50 ppm 8 hour(s)  
STEL: 100 ppm 15 minute(s)

**Clacite** **ACGIH TLV (Canada)**  
TWA: 50 ppm 8 hour(s)

#### Mexico

**Product name** **Exposure limits**  
**Talc** **NOM-010-STPS (Mexico, 9/2000)**  
LMPE-PPT: 2 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)  
**Calcium Carbonate** **ACGIH TLV (United States, 1/2006).**  
TWA: 10 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)  
**Mica** **NOM-010-STPS (Mexico, 9/2000)**  
LMPE-PPT: 2 mg/m<sup>3</sup> 65534 times per shift, 8 hour(s)

**Tremolite (Non-asbestiform)** **NOM-010-STPS (Mexico, 9/2000)**  
LMPE-PPT: 2 F/CC 65534 times per shift, 8 hour(s) Form: Non-asbestiform

**Engineering measures:** Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits

#### Personal protection

**Eyes:** Safety glasses

**Skin:** No special protective clothing is required.

**Respiratory:** Disposable particulate mask Disposable particulate mask

**Hands:** Not required under normal conditions of uses.

**HMIS Code/Personal protective equipment:** E

**Personal protection in of a large spill:** Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH approved self contained breathing apparatus or equivalent and full protective gear. Wash hands, forearms and face thoroughly after handling compounds and before eating. Smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

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## SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES

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**Physical state:** Solid (powder)  
**Color:** White to light grey.  
**Odor:** Odorless  
**pH:** 7 to 9.5 (Conc. (% w/w): 1)  
**Melting/freezing point:** Weighted average: 932.9°C (1711.2°F)  
**Relative density:** 2.7 to 2.85 (water = 1)  
**Solubility:** Insoluble in cold water, hot water

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## SECTION 10 – STABILITY and REACTIVITY DATA

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**Stability and reactivity:** The product is stable.

**Incompatibility with Various Substances:** Reactive with acids and oxidizing materials

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Hazardous polymerization:** Will not occur

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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### Acute Effects

**Eye Contact:** Not an Acute Hazard, high concentrations may cause mechanical irritation to the eyes.

**Skin:** High concentrations may cause irritation.

**Inhalation:** Prolonged inhalation of dust may cause lung injury.

**Ingestion:** No known significant effects of critical hazards.

**Potential chronic health effects:** Carcinogenic effects Classified A4 (Not classifiable for humans or animals) by ACGIH [Talc]

Mutagenic effects: Not available

Teratogenic effects: Not available

**Target organs:** Contains material which causes damages to the following organs: upper respiratory tract.

**Special remarks on other toxic effects on humans:** This natural mineral product does not contain free crystalline silica or asbestos fiber.

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## SECTION 12- ECOLOGICAL INFORMATION

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**Environmental precautions:** No known significant effects or critical hazards.

**Products of degradation:** Not applicable.

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## SECTION 13- DISPOSAL CONSIDERATIONS

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**Waste Information:** Dispose of according to all federal, state and local applicable regulations.

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## SECTION 14- TRANSPORT INFORMATION

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**NAERG:** Not applicable

**Regulatory information**

**UN/ IMDG/IATA DOT/TDG:** Not regulated.

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## SECTION 15- OTHER REGULATORY INFORMATION

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**United States**

**HCS Classification:** Not regulated

**U.S Federal regulations:** TSCA 8(b) inventory: All components listed.  
SARA 302/302/311/312 extremely hazardous substances:  
No products were found.  
SARA 302/304 emergency planning and notification:  
No products were found.

SARA 302/304/311/312 hazardous chemicals: Talc; Calcium Carbonate; Mica  
SARA 311/312 MSDS distribution – chemical inventory – hazard identification: Talc:  
Immediate (acute) health hazard; Calcium Carbonate:  
Immediate (acute) health hazard; Mica: Immediate (acute) health hazard  
Clean Water Act (CWA) 307: No products were found  
Clean Water Act (CWA) 311: No products were found  
Clean Air Act (CAA) 112 accidental release prevention:  
No products were found.  
Clean Air Act (CAA) 112 regulated flammable substances:  
No products were found.  
Clean Air Act (CAA) 112 regulated toxic substances:  
No products were found.  
Pennsylvania RTK: Talc: (generic environmental hazard)  
Massachusetts RTK: Talc; Mica  
New Jersey: Talc; Mica

State regulations: California prop: 65: No products were found.

#### Canada

This product has been classified in accordance with the hazard criteria of the Canadian CPR, the United States OSHA and the Mexican NOM-018-STPS-2000. This MSDS contains all the information required by the CPR, OSHA, the American National Standard Institute (ANSI) Z400.1 and NOM-018-STPS-2000.

#### Mexico

Classification: Health: 1  
Flammability: 0  
Reactivity: 0

International lists: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969)

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## SECTION 16- OTHER INFORMATION

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Label requirements (U.S.A.) CAUSE RESPIRATORY TRACT AND EYE IRRITATION

Hazardous Material:           HMIS Rating  
Information System (U.S.A)

Health	1
Fire Hazard	0
Physical Hazard	0
Personal Protection	E

National Fire Protection Association:

Health	1
Flammability	0
Reactivity	0

References: ANSI Z400, MSDS Standard, 2004. – Manufacturer's Material Safety Data Sheet – 29CFR Part1910.1200 OSHA MSDS Requirements. – 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. – Canada Gazette Part II, Vol. 122, No. 2 Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" – Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. – Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994.

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