



# MATERIAL SAFETY DATA SHEET

MSDS No: 0075,002.00  
Revision Date: December 16, 2011  
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## Section 1 Chemical Product and Company Name

Product	<b>CLAY</b>	ITEM No.: FV-1-465xx
Synonyms	Clay, Hydrated sodium calcium magnesium aluminio-silicate	
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300	

## Section 2 Composition/Ingredients Information

Chemical Name	CAS#	%	TLV Units	
			TWA: 0.1mg/m <sup>3</sup> (respirable dust)	TWA: 0.1mg/m <sup>3</sup> (respirable dust)
Bentonite	1302-78-9	25%		
Crystalline silica	14808-60-7	<1%		
Kaolin	1332-58-7	75%		TWA: 0.1mg/m <sup>3</sup> (respirable dust)

## Section 3 Hazards Identification

**CAUTION!**  
HIGH CONCENTRATION OF DUST MAY CAUSE RESPIRATORY IRRITATION.  
MAY CAUSE EYE IRRITATION. SLIPPERY WHEN WET.  
Target organs: Lungs

0 = Minimal	Health	1*
1 = Slight	Flammability	0
2 = Moderate	Physical Hazard	0
3 = Serious	Personal Protection	C
4 = Severe		

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## Section 4 First Aid Measures

**INGESTION:** Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Get medical advise.  
**INHALATION:** Remove to fresh air. Get medical attention if necessary.  
**EYE CONTACT:** Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention if irritation develops.  
**SKIN CONTACT:** Remove contaminated clothing. Flush thoroughly with mild soap and water.

## Section 5 Fire Fighting Measures

Clay will not support fire.

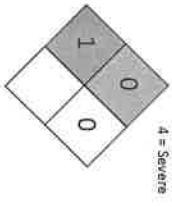
**Extinguishing Media:** Use any media suitable for extinguishing supporting fire.

Flash point: N/A

Autoignition temperature: N/A

Explosion limits: Lower: N/A

Upper: N/A



## Section 6 Accidental Release Measures

Recover for use if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal.  
Wash spill area with soap and water.

## Section 7 Handling and Storage

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Use only under adult supervision.

**Handling:** Use with adequate ventilation. Do not inhale dust. Wash hands thoroughly after handling.

**Storage:** Store in closed container in a dry area. Avoid moisture.

## Section 8 Exposure Controls/ Personal Protection

**Engineering controls:** Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limits outlined in section 2. Wear chemical splash goggles, chemical-resistant gloves, and chemical resistant apron.

**Respiratory protection:** Non should be needed if normal laboratory handling at room temperature. Use NIOSH approved respiratory protection under dusty conditions.

## Section 9 Physical and Chemical Properties

**Physical state:** Solid  
**Appearance:** tan powder.  
**Odor:** No odor  
**pH:** Not available  
**Vapor Density:** Not available  
**Vapor Pressure:** Not available  
**Evaporation Rate:** Not available  
**Viscosity:** Not available

## Section 10 Stability and Reactivity

**Chemical Stability:** Stable  
**Conditions to Avoid:** N/A  
**Incompatibilities:** N/A  
**Hazardous decomposition:** None known  
**Hazardous polymerization:** Will not occur.

## Section 11 Toxicological Information

**Effects of overexposure:** This product contains crystalline silica in less than 1% as a naturally occurring component and not removed from the clay ore during processing. Crystalline silica is a cancer suspect in humans from occupational sources and in manufacturing environments. Clay is considered as a mild irritant to eyes. Prolonged inhalation of the dust may cause coughing, sneezing and shortness of breath. Pre existing respiratory conditions may be affected by dust.

ORL-RAT LD<sub>50</sub>: not available  
HL-RAT LD<sub>50</sub>: not available  
SKN-RABIT LD<sub>50</sub>: not available

## Section 12 Ecological Information

Non known.

## Section 13 Disposal Considerations

Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.

## Section 14 Transport Information

UN number: N/A  
Shipping name: not regulated  
Hazard Class: N/A  
Packing group: N/A  
Exceptions: N/A

## Section 15 Regulatory Information

TSCA 8(b): Bentonite. DSCL (EECI): R36-Irritating to eyes. WHMIS (Canada): Class D-2A: Material causing other toxic effects (TOXIC)

## Section 16 Other Information

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