

# **MATERIAL SAFETY DATA SHEET**

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Section 1	Chemical Product and Company Name	
Product	CLAY	ITEM No: FV-1-46xx
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
Bentonite Crystalline silica Kaolin	1302-78-9 14808-60-7 1332-58-7	25% <1% 75%	TWA: 0.1mg/m³ (respirable dust) TWA: 0.1mg/m³ (respirable dust) TWA: 0.1mg/m³ (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 1 = Slight 2 = Moderate 3 = Serious

4 = Severe

Health 1\*
Flammability 0
Physical Hazard 0
Personal Protection C

HMIS

0 = Minimal

1 = Slight

### 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

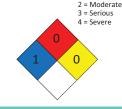
Clay will not support fire.

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 appropriate the control of the con

**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 Pressure ( mm Hg): Not available

Vapor Density: Not available
Evaporation Rate: Not available

Viscosity: Not available

Boiling point: Not available Melting point: Not available Freezing point: Not available Decomposition temp: Not available

Solubility: Insoluble

Specific gravity (H₂O = 1): 2.6g/cc

Percent volatile (%): N/A

Molecular formula: (Na, Ca, Mg,)Al<sub>2</sub>SiO<sub>2</sub> · nH<sub>2</sub>O)

Molecular weight: 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 IHL-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 (EEC): R36- Irritating to eyes. WHMIS (Canada): Class D-2A: Material causing other toxic effects (TOXIC)

#### Section 16

#### Other Information

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