



MATERIAL SAFETY DATA SHEET

MSDS No: 0075,002.00
Revision Date: December 16, 2011
Approved by: Dariusz Nitcopon

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Ronkonkoma, NY 11779
800-381-8003

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			TLV Units		
Chemical Name	CAS#	%			
Bentonite	1302-78-9	25%	TWA: 0.1mg/m³ (respirable dust)		
Crystalline silica	14808-60-7	<1%	TWA: 0.1mg/m³ (respirable dust)		
Kaolin	1332-58-7	75%	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	<table><tr><td>Health</td><td>1*</td></tr><tr><td>Flammability</td><td>0</td></tr><tr><td>Physical Hazard</td><td>0</td></tr><tr><td>Personal Protection</td><td>C</td></tr></table>	Health	1*	Flammability	0	Physical Hazard	0	Personal Protection	C
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Personal Protection	C										

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	

1

0

0

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

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 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 (H ₂ O = 1): 2.6g/cc Percent volatile (%): N/A Molecular formula: (Na, Ca, Mg)AlSiO ₂ · nH ₂ 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 ₅₀ : not available IH-RAT LD ₅₀ : not available SKN-RABIT LD ₅₀ : 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
The Material Safety Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Lab-Aids, Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation and verification. The data should not be confused with local, state, federal regulations, or insurance mandates, and CONSTITUTE NO WARRANTY. Any use of these data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond Lab-Aids, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).	