



**MATERIAL SAFETY DATA SHEET**

IN THE EVENT OF A **CHEMICAL EMERGENCY** INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT  
 24 HOUR TELEPHONE EMERGENCY  
 CONTACT : **1-800-424-9300 \*CHEMTREC**

**DOT HAZARD CLASSIFICATION:** NOT APPLICABLE

<b>IDENTITY (AS USED ON LABEL AND LIST):</b> <b>MULE-HIDE SEAL-FAST<sup>®</sup></b> <b>TEMPORARY LOW-SLOPE ROOF SEALER</b>	NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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<b>SECTION I</b>	
<b>MANUFACTURER'S NAME:</b> MULE-HIDE PRODUCTS CO., INC.	<b>EMERGENCY TELEPHONE NUMBER:</b> 1-608-365-3111
<b>ADDRESS (number, street, city, state &amp; zip):</b> 1195 Prince Hall Drive BELOIT, WI 53511	<b>TELEPHONE NUMBER FOR INFORMATION:</b> 1-608-365-3111
<b>Chemical Name:</b> ## Bentonite Clay (100%) <b>Chemical Family:</b> Natural Mineral, Montmorillonite.	<b>DATE PREPARED:</b> October 2008
<b>DOT Class:</b> Not Regulated <b>UN #:</b> N/A	<b>PREPARED BY:</b> SAFETY AND REGULATORY AFFAIRS DEPT.

<b>SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION</b>					
Hazardous Components (specific chemical identity; common name(s); optional)	OSHA (PEL)	ACGIH (TLV)	Other Limits Recommended	%	
Crystalline Quartz (CAS# 14808-60-7) (Naturally occurring contaminant)	N/A	N/A	**	2-6 %	
Respirable Crystalline Quartz present (TWA)	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup> TWA	50 µg/m <sup>3</sup> TWA	<2 %	
Nuisance Dust			NIOSH		
Respirable	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>		N/A	
Total Dust	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	N/A		
** WARNING: This clay product contains a small amount of crystalline silica which may cause delayed respiratory disease if inhaled over a prolonged period of time. Avoid breathing dust. Use NIOSH/MSHA respirator where TLV for crystalline silica may be exceeded.					
IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to Humans (vol 42, 1987) concludes that there is "Limited evidence" of the carcinogenicity of crystalline silica to humans. IARC classification 2A.					
## Bentonite (CAS# 1302-78-9) is on the TSCA Inventory.					

HMIS (HAZARDOUS MATERIALS IDENTIFICATION SYSTEM) RATING: H - 1 F - 0 R - 0

<b>SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
<b>Boiling Point:</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	2.5		
<b>Vapor Pressure (mm Hg):</b>	N/A	<b>Melting Point:</b>	N/A		
<b>Vapor Density (AIR = 1):</b>	N/A	<b>Evaporation Rate (Butyl Acetate = 1):</b>	N/A		
<b>Solubility In Water:</b> Negligible					
<b>Appearance and Odor:</b> Pale gray to buff powder or granules, odorless.					
<b>SECTION IV - FIRE AND EXPLOSION HAZARD DATA</b>					
<b>Flash Point (method used):</b> N/A	<b>Flammable Limits:</b>	<b>LEL</b> N/A	<b>UEL</b> N/A		
<b>Extinguishing Media:</b> Inorganic Mineral, Non-Flammable.					
<b>Special Fire Fighting Procedures:</b> NONE					
<b>Unusual Fire and Explosion Hazards:</b> NONE KNOWN					

<b>SECTION V - REACTIVITY DATA</b>			
<b>Stability:</b>	<b>Unstable</b>		<b>Conditions to Avoid:</b> NONE KNOWN
	<b>Stable</b> X		
<b>Incompatibility (Materials to avoid):</b> NONE KNOWN			
<b>Hazardous Decomposition or By-Products:</b> NONE KNOWN			
<b>Hazardous Polymerization:</b>	<b>May Occur</b>		<b>Conditions to Avoid:</b> NONE KNOWN
	<b>Will Not Occur</b> X		
<b>SECTION VI - HEALTH HAZARD DATA</b>			
<b>Route(s) of Entry:</b>	<b>Inhalation?</b> YES	<b>Skin?</b> NO	<b>Ingestion?</b> NO
<b>Health Hazards (acute and chronic):</b>			
<b>ACUTE:</b> MAY CAUSE DELAYED RESPIRATORY DISEASE IF INHALED OVER A PROLONGED PERIOD OF TIME.			
<b>CHRONIC:</b> NONE KNOWN.			
<b>Carcinogenicity:</b> ** See Warning on page 1	<b>NTP?</b> YES	<b>IARC Monographs?</b> YES	<b>OSHA Regulated?</b> NO
<b>Signs and Symptoms of Exposure:</b> EXCESSIVE INHALATION OF DUST MAY RESULT IN SHORTNESS OF BREATH AND REDUCED PULMONARY FUNCTION.			
<b>Medical Conditions Generally Aggravated by Exposure:</b> INDIVIDUALS WITH PULMONARY AND/OR RESPIRATORY DISEASE INCLUDING BUT NOT LIMITED TO ASTHMA AND BRONCHITIS SHOULD BE PRECLUDED FROM EXPOSURE TO DUST.			
<b>Emergency and First Aid Procedures:</b>			
<b>EYES:</b> FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.			
<b>SKIN:</b> WASH THOROUGHLY WITH MILD SOAP AND WATER.			
<b>INHALATION:</b> REMOVE PATIENT TO FRESH AIR, GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NECESSARY.			
<b>INGESTION:</b> NONE			
<b>SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE</b>			
<b>Steps to be Taken in Case Material is Released or Spilled:</b> VACUUM IF POSSIBLE TO AVOID GENERATING AIRBORNE DUST. AVOID BREATHING DUST. WEAR AN APPROVED RESPIRATOR. AVOID ADDING WATER, THE PRODUCT WILL BECOME SLIPPERY WHEN WET.			
<b>Waste Disposal Method:</b> DISPOSE OF IN ACCORDANCE WITH ALL STATE, LOCAL AND FEDERAL REGULATIONS.			
<b>Precautions to be Taken in Handling and Storing:</b> AVOID BREATHING DUST, USE NIOSH/MSSHA APPROVED RESPIRATOR WHERE TLV LIMITS FOR CRYSTALLINE SILICA MAY BE EXCEEDED.			
<b>Other Precautions:</b> SLIPPERY WHEN WET			
<b>SECTION VIII - CONTROL MEASURES</b>			
<b>Respiratory Protection (specify type):</b> OSHA STANDARD 1910.134 OR ANSI 288.2-1980 SPECIFICATION.			
<b>Ventilation:</b>	<b>Local Exhaust:</b> AS APPROPRIATE	<b>Special:</b> N/A	
	<b>Mechanical (general):</b> AS APPROPRIATE	<b>Other:</b> N/A	
<b>Protective Gloves:</b> NOT REQUIRED	<b>Eye Protection:</b> SAFETY GLASSES RECOMMENDED		
<b>Other Protective Clothing or Equipment:</b> FOLLOW GOOD INDUSTRIAL STANDARDS			
<b>Work/Hygienic Practices:</b> WASH HANDS AND FACE THOROUGHLY BEFORE EATING, DRINKING, SMOKING OR USING THE TOILET.			

N/A=NOT APPLICABLE