

**L & M MINERAL CO.**  
 2010 CR 144  
 SUGARCREEK, OH 44681

**MATERIAL SAFETY DATA SHEET**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

HOLMES CLAY Div.  
 2010 CR 144  
 SUGARCREEK OH. 44681

- OFFICE # 330-852-3696  
 PLANT # 330-674-1791  
 CELL- 330-204-2271

IDENTITY <b>Fredericksburg Fire Clay</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>		Emergency Telephone Number:	(330) 893-2721
Manufacturer's Name:	Holmes Limestone Company (PARENT Co)	Telephone Number for Information:	(330) 893-2721
Address	4255 SR 39 INFO CURRENT	Date Prepared:	01-07-03
	P.O. Box 295	Signature of Preparer (optional):	
	Berlin, OH 44610		

**Section II - Hazardous Ingredients/Identity Information**

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY: COMMON NAME(S))	OSHA PEL	ACGIH TLV	OTHER LIMITS	% (optional)
Clay	15 mg/eum	10 mg/eum	N/K	
Free Silica	see above	see above	N/K	12-20

**Section III - Physical/Chemical Characteristics**

Boiling Point:	N/K	Specific Gravity:	2.5
Vapor Pressure (mm Hg)	N/K	Melting Point:	N/K
Vapor Density (AIR = 1)	N/K	Evaporation Rate (Butyl Acetate = 1):	N/K
Solubility in Water:	Insoluble		
Appearance and Odor:	Pale gray to buff color, odorless		

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) Inflammable	Flammable Limits: Inflammable	LEL:	N/K	UEL:	N/K
Extinguishing Media:	N/R				
Special Firefighting Procedures:	N/R				
Unusual Fire and Explosion Hazards:	N/R				

**Section V - Reactivity Data**

Stability	Unstable;		Conditions to Avoid:
	Stable:	x	

Incompatibility (Materials to avoid): None

Hazardous Decomposition or Byproducts: None

Hazardous Polymerization	May Occur:		Conditions to Avoid:
	Will not occur:	x	

**Section VI - Health Hazard Data**

Route(s) of entry:	Inhalation? Yes	Skin? No	Ingestion? No
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Health Hazards (Acute and Chronic) Fire clay contains free silica which may be harmful if inhaled over extended periods of time. May cause delayed lung injury.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure: Fire clay contains free silica which may be harmful if inhaled over extended periods of time. May cause delayed lung injury.

Medical Conditions Generally Aggravated by Exposure: Respiratory disease

Emergency and First Aid Procedures: Remove to fresh air

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken In Case Material is Released or Spilled: Wear respirator when in contact. Keep area clean and free of dust, as much as possible. Avoid adding water, as product becomes very slippery when wet.

Waste Disposal Method: Sanitary Landfill

Precautions to Be Taken in Handling and Storage: None

Other Precautions: None

**Section VIII - Control Measures**

Respiratory Protection (Specify Type): Use NIOSH/MSHA approved respirator if TLV is exceeded.

Ventilation	Local Exhaust: Recommended	Special: None
	Mechanical (General): Recommended	Other: None

Protective Gloves: None	Eye Protection: As required
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Other Protective Clothing or Equipment: None

Work/Hygienic Practices: None

