AMERICAN CLAY
Naturally Beautiful Walls

Material Safety Data Sheet

Date prepared: August 15, 2004 Date revised: December 10,2008

Section I General Information

Product Name: American Clay Loma Finish: American Clay Porcelina Finish, American Clay Marittimo Finish, Enjarre

Formula: Proprietary Blend of Aggregates, Clays, and Preservatives

Manufacturer: American Clay, LLC
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Section II Hazardous Ingredients

Ingredients:	% by Wt:	CAS #:	OSHA PEL**:	ACGIH TLV**:
Quartz	<2%	14808-60-7	0.1mg/m^3 Resp.	0.05 mg/m^3 TWA
Nuisance Dust	-	-	5mg/m^3 Resp.	3mg/m^3 Resp.
Total Dust	-	-	15mg/m^3	10mg/m^3

NFPA/HMIS: Health – 1*, Fire – 0, Reactivity – 0, Specific Hazard – *see section VI*

***WARNING:** This product contains a small amount of quartz that may cause delayed respiratory disease if inhaled over a prolonged period of time. Avoid breathing dust. Use NIOSH/MSHA approved respirator where TLV for quartz may be exceeded. IARC Monographs on the evaluation of the Carcinogenic Risk of Chemicals to humans (volume 68, 1997) concludes that quartz is carcinogenic to humans (IARC classification 1).
Note: The Permissible Exposure Limits (PELs) reported above are the pre-1989 limits that were reinstated by OSHA June 30, 1993 following a decision by the United States Circuit Court of Appeals for the 11th Circuit. Federal OSHA is now enforcing these PELs. More restrictive exposure limits may be enforced by some other jurisdictions. National Institute for Occupational Safety and Health (NIOSH) has recommended that the permissible exposure limit be changed to 50micrograms respirable free silica per cubic meter of air (0.05mg/m3) as determined by full shift sample up to a 10-hour working day, 40 hours per week. *See:* 1974 NIOSH criteria for a recommended Standard for Occupational Exposure to Crystalline Silica for more detailed information.

**Unless otherwise noted, all PEL and TLV values are reported as 8 hour time weighted average (TWA).

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Section III Physical Chemical Characteristics

Boiling Point:	Not Applicable	**Loose Fill Density:**	52-69 lbs/ft^3
Vapor Pressure:	Not Applicable	**Melting Point:**	Not Applicable
Vapor Density:	Not Applicable	**Evaporation Rate:**	Not Applicable
Solubility in Water:	Negligible		
Appearance and Odor:	Buff to White color powder with angular particles of white, tan, and grey.		

Section IV Fire and Explosion

Flammability:	Non-Combustible	**Upper & Lowe Flammable Limit:**	Not Applicable
Auto Ignition Temp:	Not Applicable	**Special Firefighting Procedures:**	Not Applicable
Combustion Products:	Not Applicable	**Sensitivity to Mechanical**	
Flash Point:	Not Applicable	**Impact/Static Discharge:**	Not Applicable

Means of Extinction: Use extinguishing media appropriate for surrounding media

Section V Reactivity Data

Stability:	Stable Under normal Conditions.
Hazardous Decomposition Products:	Thermal oxidative decomposition can produce calcium oxide.
Conditions of Reactivity:	Hazardous polymerization will not occur.
Incompatible Materials:	Reacts with acids to liberate carbon dioxide. Ignites on contact with fluorine. Also incompatible with alum and ammonium salts.

Section VI Health Hazard & Toxicological Information

Exposure Limits: *See Section II*

Acute Effects:

Irritancy of product:	Eye contact and inhalation are major routes of entry
Inhalation:	Inhalation of dust can cause irritation
Skin:	Prolonged or repeated skin contact can cause irritation.
Eyes:	Contact with eyes can cause irritation
Ingestion:	Not an expected route of entry

Chronic Effects & Carcinogenicity

Excessive inhalation of dust from these products can cause silicosis. Crystalline silica is listed as an IARC Class 1 potential carcinogen. It has been determined that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and humans. These are chronic, slow developing diseases with symptoms usually delayed 10 years or more.

Signs and symptoms of exposure: There are generally no signs or symptoms of exposure to crystalline silica.

Medical Conditions Generally Aggravated by Exposure: Individuals with respiratory disease, or subject to eye irritation

should not be exposed to crystalline silica dust.

California Proposition 65 Warning

This product contains crystalline silica, a chemical known to the State of California to cause cancer.

Section VII Spill, Leak & Disposal Procedures

Spill & Leak: Vacuum if possible to avoid generating airborne dust. Avoid breathing dust. Wear and approved respirator. Avoid adding water; product will become slippery when wet.

Waste Disposal: Dispose of waste in an approved landfill in accordance with federal, state, and local laws

Section VIII First Aid & Special Protection Information

First Aid

Inhalation:	Move victim to fresh air. If breathing difficulty continues, give oxygen & obtain medical attention.
Skin contact:	Wash with soap and warm water. If irritation develops, consult a physician.
Eye contact:	Flush with water for at least 15 minutes. Call physician if irritation persists.
Ingestion:	If large amounts are ingested, get immediate medical attention.

Respiratory Protection: Provide adequate general ventilation. Provide workers with NIOSH approved respirators for lung damaging dust when exposed to dust. Exposure levels over 100 times TLV (*Section II)* required air supplied respirators.

Skin & Eye Protection: Gloves and safety goggles should be worn when exposed to excessive dust.

Ventilation: Provide Local Exhaust ventilation to meet exposure limits *(Section II)*.

Section IX Special Precautions

Handling: Dust in the work area should be kept minimal and proper ventilation provided. Avoid inhalation of dust. Avoid eye contact with materials.

Storage: Use normal precautions to avoid bag breakage and spillage. Store in a dry place.

Other Precautions: Slippery when wet

Shipping: No special shipping information required.

Section X Abbreviations & References

Abbreviations:
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
PEL: Personnel Exposure Limits
TLV: Threshold Limit Values
TWA: Time Weighted Average
NIOSH: National Institute of Occupational Safety and Health
MSDS: Material Safety Data Sheets

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References

ACGIH, Threshold Limit Values and Biological Exposure Indices for 2003
IARC Monographs, Volume 68, Silica, Some Silicates and Organic Fibers, 1997
Material Safety Data Sheets of raw materials

Other Information

The data and recommendations made in this document are based on our own research and the research of others, and are believed to be accurate. American Clay makes no guarantee or warranty, either expressed or implied, as to the accuracy or completeness of the data and recommendations.