



MSDS

#CC548

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Madras Red Clay
Cone 4-7

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Georgies Ceramic & Clay Co. Inc.
756 NE Lombard • Portland OR 97211
503.283.1353 • 800.999.CLAY

Please send comments or questions to:
safety@georgies.com

Section I: Manufacturer Information

Name:	Georgies Ceramic & Clay Co.	Date Prepared:	17 April 2008
Address:	756 NE Lombard Portland, OR 97211	Last Revision:	17 April 2008
Phone:	503.283.1353	Prepared by:	C.Runyan
Emergency:	503.283.1353		

Section II: Hazardous Ingredients

Hazardous Component	OSHA PEL	ACGIH TLV	Other Limits	% Weight
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Other information:

Clay contains silica and quartz, which are harmful only with prolonged and/or excessive respiration of airborne dust.

Section III: Physical Data

Boiling Point:	n/a	Melting Point:	n/a	Freezing Point:	n/a
Water Soluble:	Negligible	Vapor Pressure:	n/a	Vapor Density:	n/a
pH (Acid/Alkali):	0.0	Appearance/Odor:	Reddish gritty moist solid with earthy odor.		

Section IV: Fire & Explosion Hazard Data

This product is nonflammable and will not burn. No fire or explosion hazards.

Section V: Reactivity Data

Conditions to Avoid:	Free quartz changes structure to form TRIDYMITE (above 870°C) and CRISTOBALITE (above 1470°C) which pose greater health hazards than quartz.
Chemical Incompatibilities:	Hydrofluoric acid dissolves this clay, producing silicon tetrafluoride.
Stability:	Product is stable. No hazardous decomposition or polymerization risk.

Section VI: Health Hazard Data

Routes of Entry:	Inhalation, Skin Contact, Ingestion.
Carcinogenicity:	None reported on NTP or IARC monograph. Not OSHA regulated.
Health Hazards:	Prolonged exposure to dust may cause lung fibrosis (silicosis), a progressive pulmonary fibrosis. Silicosis is chronic and slow-developing; symptoms may be delayed 10 years or more.
Signs & Symptoms:	Cough, dyspnea, wheeze, impaired pulmonary function, progressive symptoms, itching. May aggravate existing skin or lung conditions.

Section VI-A: Emergency & First Aid Procedures

Dust Exposure:	Get fresh air.
Eye Contact:	Wash eyes immediately with clean water.
Skin Contact:	Wash with soap & water. Get medical attention if irritation persists.
Ingestion:	Drink lots of water to flush system. Seek medical help if needed.

Section VII: Precautions for Safe Handling

If Released or Spilled:	Clean up & collect, minimizing dust generation. Use wet or dustless systems or devices to clean up. Caution: causes slippery surfaces when wet.
Waste Disposal:	Follow appropriate local, state & federal regulations for disposal.
Handling & Storage:	If dust concentrations exceed PEL or TLV, use NIOSH-approved dust respirators & goggles. Maintain adequate ventilation in storage areas.
Other Precautions:	If ceramic bodies are fired to high temperatures (ie 870-1470°C), they may contain TRIDYMITE or CRISTOBALITE, which pose greater health hazards than quartz.

Section VIII: Control Measures

Respiratory Protection:	Up to 5x PEL: any dust respirator. Up to 10x PEL: any, except single-use or quarter-mask. Up to 50x PEL: NIOSH-approved high-efficiency full face particle mask.
Ventilation:	Not required, but we recommend local ventilation.
Eye Protection:	Goggles recommended if dust concentration exceeds PEL or TLV.
Gloves/Clothing:	Gloves optional. Other protective clothing/equipment not required.
Work Practices:	Good housekeeping to minimize dust generation.