

MATERIAL SAFETY DATA SHEET

CHRISTY MINERALS COMPANY

P.O. Box 158

High Hill, MO 63350

Telephone: 314/585-2214

GRF20 Fine - 20 mesh

GRF35 Extra fine - 35 mesh

CALCINED MISSOURI FLINT CLAYS

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SECTION I: MATERIAL IDENTIFICATION

Product Name: **CALCINED MISSOURI FLINT CLAY**
 Product Sizes: All Sizes, All Splits
 Chemical Family: Al_2O_3 - SiO_2 (Aluminum Silicate)

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL NAME	wt. %	C.A.S. #	ACGIH TLV-TWA
Free Cristobalite	0-10	14464-46-1	0.05 mg/m ³
Free Quartz	0-5	14808-60-7	0.10 mg/m ³
Free Aluminum Oxide	0-10	1344-28-1	10 mg/m ³

(See Section VI for applicable Health Hazard Information).

SECTION III: PHYSICAL DATA

Physical State: Granular to powdery in appearance
 Color: Gray to Tan in color
 Odor: No odor
 Water Solubility: Slightly soluble in water
 Melting Point: Not applicable

SECTION IV: FIRE AND EXPLOSION DATA

Material is non-combustible.

Use extinguishing media appropriate for surrounding material.

SECTION V: REACTIVITY DATA

This material is stable under normal conditions of use.

SECTION VI: HEALTH HAZARD INFORMATION

Effects of Overexposure

Acute: Exposure to dust can irritate eyes, skin, and respiratory tract.
Chronic: Excessive inhalation of the dust from this product can cause silicosis. Crystalline silica is listed as an IARC Class 2A potential carcinogen. It has been determined that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and limited evidence for the carcinogenicity to humans. These are chronic slow developing diseases with symptoms usually delayed 10 years or more.

First Aid

Inhalation: Remove victims to fresh air. If breathing difficulty continues, give oxygen and obtain medical help.
Skin Contact: Wash with soap and water. If irritation develops, consult a physician.
Eye Contact: Flush with water for at least 15 minutes. Call physicians if irritation persists.

SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES

Spill & Leak: Clean-up personnel need an NIOSH respirator approved for lung damaging dusts. Sweep spills and vacuum where necessary. Avoid generating dust.
Disposal: Dispose of waste in an approved landfill in accordance with federal, state, and local laws.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection: Provide adequate general ventilation. Provide workers with NIOSH respirators approved for lung damaging dusts when exposed to dust. Exposure levels more than 100 times TLV (Section II) requires 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

Dust in the work area should be kept to a minimum and proper ventilation provided. Avoid inhalation of dust. Avoid eye contact with materials.

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