

A. P. GREEN REFRACTORIES CO.

MEXICO, MISSOURI 65265 U.S.A.

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MATERIAL SAFETY DATA SHEET

A. P. Green Refractories Company
Green Boulevard, Mexico, Missouri 65265
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SECTION I

PRODUCT NAME: DRY MILLED FIRECLAY

PRODUCT TYPE: Raw Fireclay

CHEMICAL FAMILY: SiO₂ = 50-54%, Al₂O₃ = 29-33% FORMULA: Not Applicable
Fe₂O₃ = 2-3%, TiO₂ = 2-3%
Na₂O = <2%

SECTION II

PRODUCT HAZARDOUS INGREDIENTS

<u>Chemical</u>	<u>TWA</u>	<u>CAS #</u>
Quartz (5-12%)	0.1 mg/m ³ * respirable dust	14808-60-7
Nuisance Particulates	5 mg/m ³ * respirable dust	----

* Source: American Conference of Governmental Industrial Hygienists, 1985-1986.

SECTION III

PHYSICAL DATA

SOLUBILITY IN WATER: Slight

SPECIFIC GRAVITY: Not Applicable

MELTING POINT: Not Applicable

APPEARANCE AND ODOR: Gray granular; no odor

SECTION IV

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None

EXTINGUISHING MEDIA: Not Combustible

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known.

SECTION V

HEALTH HAZARD DATA

EFFECT OF OVEREXPOSURE:

EYES ACUTE: Dust can cause mechanical irritation.
CHRONIC: None known.

SKIN ACUTE: None known.
CHRONIC: None known.

INHALATION ACUTE: Dust, if present, may cause upper respiratory irritation.
CHRONIC: Dust may cause lung damage if inhaled on a long-term basis.

INGESTION ACUTE: Unknown.
CHRONIC: Unknown.

EMERGENCY AND FIRST AID PROCEDURES:

EYES Immediately flush eyes with water for 15 minutes. Consult physician if irritation occurs.

SKIN Not applicable.

INHALATION Remove to fresh air. Seek medical attention.

INGESTION Contact physician immediately. Do not induce vomiting unless instructed to do so by physician.

SECTION VI
REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: None Known

HAZARDOUS POLYMERIZATION: Will Not Occur

SECTION VII

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or shovel up.

WASTE DISPOSAL METHOD: Can be disposed of in an appropriate landfill, in accordance with local, state, and federal regulations.

SECTION VIII

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH approved respirator for dusts when working with dry clay or fired clay.

VENTILATION: General mechanical ventilation is adequate.

EYE PROTECTION: Optional

OTHER PROTECTION: None

SECTION IXSPECIAL PRECAUTIONS

Warning: On firing to high temperature substantial cristobalite (a SiO_2 compound, formed at high temperatures) may be present. Therefore, always wear a NIOSH approved respirator when working with fired clay.

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