

12/5/91 MATERIAL SAFETY DATA SHEET

A. P. GREEN INDUSTRIES, INC.
GREEN BOULEVARD, MEXICO, MO. 65265
TELEPHONE NUMBER -- 314-473-3626

SECTION I

PRODUCT NAME: ~~DRY-MILLED FIRECLAY~~
PRODUCT TYPE: Raw Fireclay
CHEMICAL FAMILY: SiO₂ = 56% Al₂O₃ = 40% FORMULA: Not applicable
Fe₂O₃ = 1% TiO₂ = 2%
K₂O = 1% (calcined basis)

SECTION II

PRODUCT HAZARDOUS INGREDIENTS

CHEMICAL	TLV-TWA	CAS #
Quartz (SiO ₂) (<2%)	0.1 mg/m ³ * Respirable Dust	14808-60-7

*Source: American Conference of Governmental Industrial Hygienists, 1991-1992.

SECTION III

PHYSICAL DATA

SOLUBILITY IN WATER: Slight VOLATILES BY VOLUME (%): N/A
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

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.

Section V (continued)

EMERGENCY AND FIRST AID PROCEDURES:

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

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.

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SECTION VI

REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION VII

SPILL OR LEAK PROCEDURES

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

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

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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.

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SECTION IX

SPECIAL PRECAUTIONS

Warning: This product contains crystalline silica. Prolonged exposure to dust may cause silicosis, a progressive pneumoconiosis, or other respiratory diseases. International Agency for Research on Cancer (IARC) has classified crystalline silica as a Class 2A carcinogen. Their study concluded that sufficient evidence for carcinogenicity exists in experimental animals and that limited evidence for carcinogenicity exists in humans.

NIOSH approved respirators should be worn any time that refractories are torn out after service. While some respiratory hazard and or nuisance dust may exist from the product itself, other foreign substances may warrant additional precautions during tearout and disposal.

This material safety data sheet contains confidential proprietary information and is not to be disclosed to the general public or to competition except as required by law. The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with A. P. Green Industries, Inc. or not. This information is offered solely for use in your evaluation of this product in respect to safety, health, and environmental hazards.

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