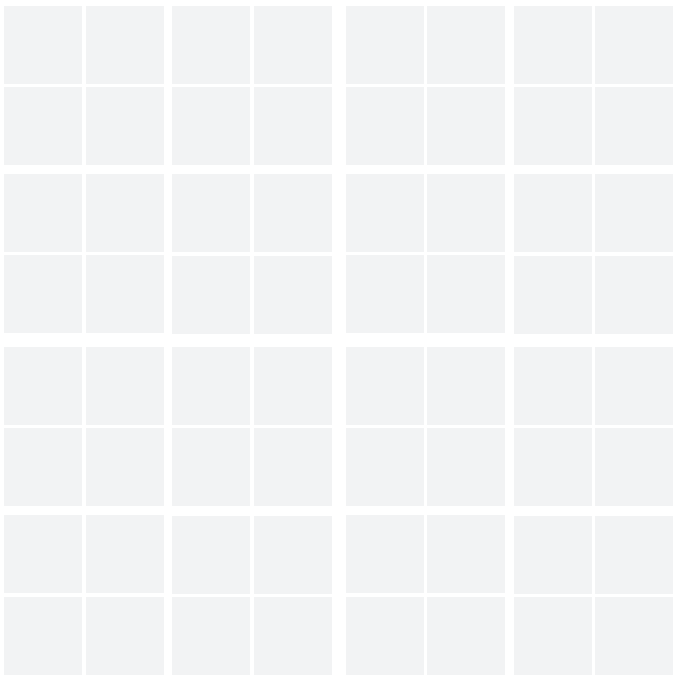


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# MATERIAL SAFETY DATA SHEET



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## A. MANUFACTURER / DISTRIBUTOR

COMPANY: Elgin Butler Company, 365 FM 696, ELGIN, TEXAS 78621  
PHONE NUMBERS: Emergency (512)285-3356  
General Information (512)285-3356  
DATE PREPARED: December 6, 2006

## B. PRODUCT IDENTIFICATION

PRODUCT NAME (S): Structural Glazed Brick and Tile  
CHEMICAL NAME: Mixture  
CHEMICAL FAMILY: Predominantly aluminum silicates  
FORMULA: Mixutre  
HAZARD STATEMENT:

The dust generated from dry sawing of this product may contain silica and may be a potential respiratory hazard. The glazed surface of this product may contain mixed metal oxide pigments that are a component of an amorphous glass. The glaze mixture may coat one or more surfaces of the product which is fired to 2000°F. This firing converts the components of the coating to a glass and produces a state of incipient fusion in the ceramic body. Although the glaze coating may contain metal atoms arranged in unique structures, the weight % of these components is below the level which OSHA considers significant. Toxicological properties of these components have not been thoroughly investigated but are not considered to be those of the starting raw materials.

## C. PRODUCT COMPONENTS

<u>COMPONENTS</u>	<u>CAS NO.</u>	<u>% BY WT. WEIGHT</u>	<u>ACQIH TLV</u>	<u>OSHA PEL</u>
ALUMINUM SILICATES	VARIOUS	75-85	10 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>
IRON COMPOUNDS		0-5	10 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>
CALCIUM COMPOUNDS		0-12	15 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>
QUARTZ	14808-60-7	VARIES	0.1 MG/M <sup>3</sup> (RESPIRABLE)	10 MG/M <sup>3</sup> %Si <sub>2</sub> O <sub>3</sub> +2 (RESPIRABLE)
IRON CHROMITE	1308-31-2	0-3	1 MG/M <sup>3</sup>	1 MG/M <sup>3</sup>
MANGANESE COMPOUNDS		0-3	NE	NE
MAGNESIUM COMPOUNDS		0-3	NE	NE

## D. PERSONAL PROTECTION INFORMATION

VENTILATION: When cutting brick or tile use adequate ventilation to maintain exposure below the OSHA PEL and ACQIH TLV.  
RESPIRATORY PROTECTION: For concentrations exceeding the OSHA PEL or ACQIH TLV, use NIOSH/MSHA approved respirator.  
EYE PROTECTION: Use safety glasses with side shields.  
SKIN PROTECTION: Use gloves and/or protective clothing if abrasion or allergic reactions is experienced.  
OTHER: Wear steel-toed safety shoes. USE A WET SAW FOR CUTTING BRICK AND TILE.

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**E. HANDLING AND STORAGE PRECAUTIONS**

Avoid dust inhalation, eye contact and excessive or prolonged skin contact. Wear protective equipment and/or garments described in section **D** if exposure conditions warrant. Wet sawing is recommended.

**F. REACTIVITY DATA**

STABILITY:	Stable
CONDITIONS TO AVOID:	None Known
INCOMPATIBILITY (MATERIALS TO AVOID):	None Known
HAZARDOUS POLYMERIZATION:	Will Not Occur
CONDITIONS TO AVOID:	None Known
HAZARDOUS DECOMPOSITION PRODUCTS:	None Known

**G. HEALTH HAZARD DATA\***

RECOMMENDED EXPOSURE LIMITS: See Section C

ACUTE EFFECTS OF OVEREXPOSURE:

NO ACUTE EFFECTS FROM EXPOSURE TO INTACT BRICK ARE KNOWN.

- EYE: May cause mild to severe irritation by abrasion with dust or chips.
- SKIN: Brick dust or chips may cause allergic reactions. Excessive exposure may result in abrasions.
- INHALATION: Brick dust or chips may cause congestion and irritation in nasal and respiratory passages.
- INGESTION: None known.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

No chronic effects from exposure to intact brick are known. Excessive exposure to particulates (dust) over an extended period of time may result in the development of pulmonary diseases.

CARCINOGENICITY:

The National Toxicology Program (NTP) – Lists the silica containing dust that may be produced when sawing this product as a known carcinogen. The international agency for research on cancer (IARC) has classed respirable crystalline silica (quartz) as a group 1 carcinogen.

FIRST AID AND EMERGENCY PROCEDURES:

- EYE: Flush eyes with running water. Obtain medical assistance if irritation continues.
- INHALATION: Remove from exposure to airborne particulate. Consult a physician if breathing does not return to normal.
- INGESTION: NA
- SKIN: Wash with soap and water. If an allergic reaction causes a rash that does not heal in an appropriate time, consult a physician. Treat abrasions as any other scrape or cut, with disinfectants and bandages.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications of allergies resulting in irritation to skin, eyes and respiratory passages may occur from excessive exposure to dusts.

**H. PHYSICAL DATA**

APPEARANCE AND ODOR: Granular solid, essentially odorless, wide range of colors.  
BOILING POINT: NA  
SPECIFIC GRAVITY (H O =1): 2.6 (Approximate)  
VAPOR PRESSURE: NA  
PERCENT VOLATILE BY VOLUME: NA  
VAPOR DENSITY: NA  
SOLUBILITY IN WATER: Insoluble  
EVAPORATION RATE (ETHYL ETHER=1): NA  
pH: NA

**I. FIRE AND EXPLOSION DATA**

FLASH POINT: NA  
FLAMMABLE LIMITS (% BY VOLUME IN AIR): LEL: NA VEL: NA  
FIRE EXTINGUISHING MEDIA: NA  
SPECIAL FIRE FIGHTING PROCEDURES: NA Use standard equipment for fighting fires.  
FIRE AND EXPLOSION HAZARDS: NA

**J. SPILL OR LEAK PROCEDURES:** The only concern is to control dusts.

**K. WASTE DISPOSAL:** This material is classed as a non-hazardous solid waste for disposal.

**L. RCRA CLASSIFICATION:** NA

**M. DOT SHIPPING DATA:** NA

**N. PROTECTION REQUIRED FOR WORK ON CONTAMINATED EQUIPMENT:** NA

**O. HAZARD CLASSIFICATION**

This product meets the hazard definition of "health hazard" as defined by the Occupational Safety and Health Administration hazard communication standard section 1810.1200:

**P. SARA (TITLE III) REPORTS**

Components of this product that are subject to the reporting Requirements of section 313 of SARA and 40 CFR part 372: NA

Components of this product that are included in the SARA Extremely hazardous substance list (40 CFR part 355 ): NA

**Q. OTHER INFORMATION**

\* Elgin Butler Company considers the product an "article" as defined in 29 CFR Part 1200 (b) (5) (iv) and 40 CFR Part 372.38. As an article, an MSDS is not required and the product is exempt from all other requirements of the hazardous communication standard. OSHA requires an MSDS for brick since it is occasionally dry sawed.

NA - Not Applicable

NE - Not Established

EBC02/07bb

