

# SAFETY DATA SHEET

## Section 1: IDENTIFICATION

DATE PREPARED: OCT. 2015

### MANUFACTURER/DISTRIBUTOR

COMPANY: LEE BRICK & TILE CO., BOX 1027, SANFORD, NC 27330-1027

PHONE NUMBERS: EMERGENCY (919) 774-4800  
GENERAL INFORMATION: (919) 774-4800

DATE PREPARED: Oct - 2015

### PRODUCT IDENTIFICATION

PRODUCT NAME(S): BRICK

CHEMICAL NAME: MIXTURE

CHEMICAL FAMILY: PREDOMINANTLY ALUMINUM SILICATES

## Section 2: HAZARD(S) IDENTIFICATION

### HEALTH HAZARD DATA\*

RECOMMENDED EXPOSURE LIMITS:

ACUTE EFFECTS OF OVEREXPOSURE:

EYE: MAY CAUSE MILD TO SEVERE IRRITATION BY ABRASION WITH DUST OR CHIPS.  
SKIN: BRICK DUSTS OR CHIPS MAY CAUSE ALLERGIC REACTIONS. EXCESSIVE EXPOSURE MAY RESULT IN ABRASIONS.  
INHALATION: BRICK DUSTS OR CHIPS MAY CAUSE CONGESTION AND IRRITATION IN NASAL AND RESPIRATORY PASSAGES.  
INGESTION: NONE KNOWN



SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

EXCESSIVE EXPOSURE TO PARTICULATES (DUST) OVER AN EXTENDED PERIOD OF TIME MAY RESULT IN THE DEVELOPMENT OF PULMONARY DISEASES.

CARCINOGENICITY:

NTP AND OSHA DO NOT INCLUDE THIS MATERIAL, OR ITS COMPONENTS, IN THEIR CARCINOGEN LISTINGS. IARC HAS CLASSIFIED RESPIRABLE CRYSTALLINE SILICA (QUARTZ) AS A CLASS 2A CARCINOGEN.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

FORMULA: MIXTURE

### PRODUCT COMPONENT(S)

COMPONENTS	CAS NO.	% BY WEIGHT	ACQIH TLV	OSHA PEL
ALUMINUM SILICATES	VARIOUS	75-85	10 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>
IRON COMPOUNDS	VARIOUS	0-5	10 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>
CALCIUM COMPOUNDS	VARIOUS	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>	10 MG/M <sup>3</sup>
			(RESPIRABLE)	%SiO <sub>2</sub> + 2(RESPIRABLE)
BARIIUM COMPOUNDS	VARIOUS	0-3	NE	NE
IRON CHROMITE	1808-31-2	0-3	1 MG/M <sup>3</sup>	1 MG/M <sup>3</sup>
MANGANESE COMPOUNDS	VARIOUS	0-3	NE	NE
MAGNESIUM COMPOUNDS	VARIOUS	0-3	NE	NE
BOTTOM ASH	VARIOUS	0-16	NE	NE

## Section 4: FIRST-AID MEASURES

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.

## Section 5: FIRE-FIGHTING MEASURES

### 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  
FIRE AND EXPLOSION HAZARDS: NA

## Section 6: ACCIDENTAL RELEASE MEASURES

### SPILL OR LEAK PROCEDURES

THE ONLY CONCERN IS TO CONTROL DUSTS.

## Section 7: HANDLING AND STORAGE

### 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.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### PERSONAL PROTECTION INFORMATION

VENTILATION: WHEN SAWING BRICK, USE ADEQUATE VENTILATION TO MAINTAIN EXPOSURE BELOW THE OSHA PEL AND ACGIH TLV.  
RESPIRATORY PROTECTION: FOR CONCENTRATIONS EXCEEDING THE OSHA PEL OR ACGIH TLV, USE NIOSH/MSHA APPROVED RESPIRATOR.  
EYE PROTECTION: USE SAFETY GLASSES WITH SIDE SHIELDS. FACE SHIELDS SHOULD ALSO BE USED WHERE DRY SAWING OF BRICK OCCURS.  
SKIN PROTECTION: USE GLOVES AND/OR PROTECTIVE CLOTHING IF ABRASION OR ALLERGIC REACTIONS ARE EXPERIENCED.  
OTHER: WEAR STEEL-TOED SAFETY SHOES. A WET SAW IS RECOMMENDED FOR SAWING BRICK.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### H. PHYSICAL DATA

APPEARANCE AND ODOR: GRANULAR SOLID, ESSENTIALLY ODORLESS, WIDE RANGE OF COLORS.  
BOILING POINT: NA  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 2.6 (APPROXIMATE)  
VAPOR PRESSURE: NA  
PERCENT VOLATILE BY VOLUME: NA  
VAPOR DENSITY: NA  
SOLUBILITY IN WATER: NEGLIGIBLE  
EVAPORATION RATE (ETHYL ETHER = 1): NA  
PH: NA

The dust generated from dry sawing brick may contain silica and may be a potential health problem for the lungs although we are aware of no scientific evidence of a health problem.

## Section 10: STABILITY AND REACTIVITY

### F. REACTIVITY DATA

STABILITY: STABLE  UNSTABLE \_\_\_\_\_  
CONDITIONS TO AVOID: NONE KNOWN NONE KNOWN  
INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN  
HAZARDOUS POLYMERIZATION: MAY OCCUR \_\_\_\_\_ WILL NOT OCCUR   
CONDITIONS TO AVOID: NONE KNOWN  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

## Section 11: TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS OF OVEREXPOSURE:

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**Section 12: ECOLOGICAL INFORMATION**

Ecotoxicity: Not available.  
Persistence / Degradability: Not available.  
Bioaccumulation / Accumulation: Not available.  
Mobility in Soil: Not available.  
Other Adverse Effects: Not available.

**Section 13: DISPOSAL CONSIDERATIONS**

THIS MATERIAL IS CLASSED AS A NON-HAZARDOUS SOLID WASTE FOR DISPOSAL. STATE SPECIFIC AND COMMUNITY SPECIFIC PROVISIONS MUST BE CONSIDERED. IT IS RECOMMENDED THAT WASTE MINIMIZATION BE PRACTICED.

**Section 14: TRANSPORTATION INFORMATION**

THIS MATERIAL IS NOT REGULATED FOR TRANSPORTATION AS A HAZARDOUS MATERIAL OR CONSIDERED A DANGEROUS GOOD.

DOT: BRICKS AS SHIPPED ARE NOT HAZARDOUS MATERIALS PER DOT REGULATIONS.

**Section 15: REGULATORY INFORMATION**

REGULATORY INFORMATION

RCRA Brick in its solid form is typically considered a non-hazardous waste for disposal, but local regulation may vary, therefore all waste must be disposed in accordance with federal, state, and local environmental control regulations. Water containing brick solids, such as from wet sawing operations, should also be disposed of in accordance with federal, state and local environmental regulation. Brick waste should not be used as a blasting agent.

EPCRA Section 311/312 Bricks as shipped are not a Section 311/312 reportable product.

EPCRA Section 313 Bricks as shipped are not subject to the Section 313, Toxic Chemical Release Inventory reporting requirements.

DOT: Bricks as shipped are not hazardous materials per DOT regulations

**Section 16: OTHER INFORMATION**

OTHER INFORMATION

LEE BRICK considers our product as "article" as defined in 29 CFR Part 1200(b)(5)(IV) and 40 CFR Part 372.36. as an article a SDS is not required and the product is exempt from all other requirements of the hazard communication standard. OSHA requires an SDS for brick because it is occasionally dry sawed. We recommend only wet sawing of brick.

Reasons for Revision: Converted MSDS to SDS.

Prepared by: LEE BRICK

This SDS was prepared with information believed accurate at the time of preparation and was prepared and provided in good faith. However, LEE BRICK assumes no responsibility as to the accuracy or suitability of such information and no warranty expressed or implied is made.

END OF SAFETY DATA SHEET