Safety Data

Date Completed: 01/05/11
Latest Revision: 01/01/14

BRICK

SECTION 1 – IDENTIFICATION

Manufacturer: General Shale Brick, Inc.
P.O. Box 3547
Johnson City, TN 37602
(423) 282-4661

Emergency Info: (423) 952-4205

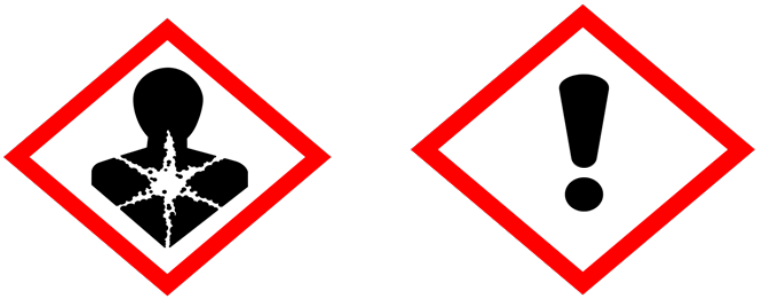
Product Name: Brick

Chemical Family/Name: Predominately Aluminum Silicates

Formula: Mixture

Product Use: Masonry building material/component

SECTION 2 – Hazard(s) Identification



SIGNAL WORD: Warning

Bricks as shipped do not present an inhalation, ingestion or contact hazard. However, operations such as sawing and grinding may result in the following effects.

ACUTE EFFECTS OF OVEREXPOSURE:

Eye: May cause irritation by abrasion with dust or chips.

Skin: Brick dust or chips may cause allergic reactions in hypersensitive individuals; May cause cuts and skin abrasions.

Inhalation: Brick dust or chips may cause congestion and irritation in nasal and respiratory passages.

Ingestion: No known acute effects.

CHRONIC EFFECTS OF OVEREXPOSURE:

Excessive exposures to respirable particulates (dust) over an extended period of time may result in the development of pulmonary diseases such as silicosis.

SECTION 3 – Composition / Information on Ingredients

Ingredients	CAS #	% Weight	Exposure Limits	
			OSHA PEL mg/m^3	ACGIH TLV mg/m^3
Aluminum Silicates	Various	50 – 85	15	10
Quartz	14808-60-7	Varies	10 / %SiO2 + 2 (respirable)	0.05 (respirable)
Chromium compounds	Various	0 – 3	Not available	Not available
Manganese compounds	Various	0 – 3	Not available	Not available
Iron Compounds as granular body additives	Various	0 – 3	Not available	Not available
Calcium compounds	Various	0 – 3	Not available	Not available

The above chemistries are provided for industrial hygiene and environmental purposes and are not intended to represent product specifications. This information has been compiled from data believed to be reliable. Elements such as aluminum, arsenic, boron, calcium, chromium, cobalt, copper, lead, molybdenum, nickel, tin, titanium, vanadium, and zirconium may be present in trace amounts. Brick products as shipped do not present an exposure hazard.

SECTION 4 – First-Aid Measures

Inhalation:	Remove from exposure to airborne particulates. Consult a physician if breathing does not return to normal.
Skin:	Wash with soap and water. If an allergic reaction causes a rash that does not heal within a few days consult a physician. Treat abrasions as any other scrape or cut with disinfectants and bandages.
Eye:	Flush with running water. Obtain medical assistance if irritation continues.
Medical Conditions Aggravated by Exposure:	Excessive dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications or allergies resulting in irritation to skin, eyes, and respiratory tract may occur from excessive exposure to dusts.

SECTION 5 – Fire Fighting Measures

Bricks as shipped do not pose a fire or explosion hazard**.**

SECTION 6 – Accidental Release Measures

Bricks as shipped do not present a human or environmental hazard that requires special clean-up measures.

SECTION 7 – Handling and Storage

Provide adequate ventilation to maintain exposures below the OSHA PEL and ACGIH TLV for quartz and other substances.

SECTION 8 – Exposure Controls / Personal Protection

Respiratory Protection:	For airborne concentration exceeding the OSHA PEL or ACGIH TLV use a NIOSH and/or MSHA approved respirator.
Eye and Face:	Face shields should be used when sawing brick.
Skin:	Use gloves and or protective clothing if abrasions or allergic reactions are experienced.
Other:	Use of steel toe shoes is recommended when handling brick.
Other Controls:	Use of wet sawing methods is recommended anytime that bricks must be cut.

SECTION 9 – Physical and Chemical Properties

Boiling Point: NA	Melting Point: NA	Specific Gravity: 2.6
Vapor Pressure: NA	Vapor Density: NA	Soluble in Water: Negligible

Appearance and Odor: Granular solid, essentially odorless. Bricks come in a wide range of colors.

SECTION 10 – Stability and Reactivity

Bricks as shipped are not reactive

SECTION 11 – Toxicological Information

CARCINOGENICITY:

The following carcinogenicity classifications for crystalline silica have been established by the following agencies:

OSHA: Not regulated as a carcinogen
IARC: Group 1 carcinogenic in humans
NIOSH: Carcinogen, with no further categorization
NTP: Known carcinogen

WARNING: Brick dust may contain crystalline silica, a chemical that has been determined by the agencies listed above to cause cancer.

SECTION 12 – Ecological Information

No data is currently available

SECTION 13 – Disposal Considerations

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/recycled/reclaimed 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.

SECTION 14 – Transport Information

DOT Shipping Name: Not regulated by DOT

DOT Hazard Class:

Identification Number:

Canada TDG: Not regulated by TDG.

Hazard Class:

UN Number:

SECTION 15 – Regulatory Information

RCRA: Bricks as shipped are not hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

SARA/EPCRA: Bricks as shipped are not hazardous substances subject to the federal Emergency Planning and Community Right to Know Act (EPCRA) for inventory reporting (SARA 311/312), nor Toxic Release Inventory (SARA 313).

DOT: Bricks as shipped are not hazardous materials per Department of Transportation (DOT) regulations.

SECTION 16 – Other Information

General Shale Brick, Inc. considers our product an "article" as defined in 30 CFR 1200(b)(g)(iv) and 40 CFR 372.38. As an article, an MSDS is not required and the product is exempt from all other requirements of the hazard communication standard. OSHA requires an MSDS for brick because it is occasionally dry sawed. We recommend only wet sawing of brick.

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