

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Manufacturer: General Shale Brick, Inc. P.O. Box 3547 Johnson City, TN 37602 (423) 282-4661	Product Name: Thin Brick	Chemical Family/Name: Predominately Aluminum Silicates
Emergency Info: (423) 952-4205	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 or 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 exposure 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	ACGIH TLV	OSHA PEL
Aluminum Silicates	Various	25 - 50	10 MG / M ³	15 MG / M ³
Iron Compounds	Various	0 - 9	10 MG / M ³	10 MG / M ³
Calcium Compounds	Various	0 - 2	15 MG / M ³	15 MG / M ³
Quartz	14808-60-7	20 - 30	0.1 MG / M ³ (Respirable)	10 MG / M ³
Cristobalite	14464-46-1	0 - 10	½ of Quartz	% S10 – (Respirable)
Barium Compounds	Various	0 - 1	NE	NE
Iron Chromite	1038-31-2	0 - 2	1 MG / M ³	1 MG / M ³
Manganese Compounds	Various	0 - 3	NE	NE
Magnesium Compounds	Various	0 - 2	NE	NE

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

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

Brick 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

Canada TDG: Not regulated by TDG.

DOT Hazard Class:

Hazard Class:

Identification Number:

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.