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

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

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS#</th>
<th>% Weight</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Silicates</td>
<td>Various</td>
<td>25 - 50</td>
<td>10 MG / M³</td>
<td>15 MG / M³</td>
</tr>
<tr>
<td>Iron Compounds</td>
<td>Various</td>
<td>0 - 9</td>
<td>10 MG / M³</td>
<td>10 MG / M³</td>
</tr>
<tr>
<td>Calcium Compounds</td>
<td>Various</td>
<td>0 - 2</td>
<td>15 MG / M³</td>
<td>15 MG / M³</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>20 - 30</td>
<td>0.1 MG / M³ (Respirable)</td>
<td>10 MG / M³</td>
</tr>
<tr>
<td>Cristobalite</td>
<td>14464-46-1</td>
<td>0 - 10</td>
<td>½ of Quartz</td>
<td>% S10 – (Respirable)</td>
</tr>
<tr>
<td>Barium Compounds</td>
<td>Various</td>
<td>0 - 1</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Iron Chromite</td>
<td>1038-31-2</td>
<td>0 - 2</td>
<td>1 MG / M³</td>
<td>1 MG / M³</td>
</tr>
<tr>
<td>Manganese Compounds</td>
<td>Various</td>
<td>0 - 3</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Magnesium Compounds</td>
<td>Various</td>
<td>0 - 2</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>
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.