

**THE SHAW GROUPLIMITED**  
**MATERAIL SAFETY DATA SHEET**



**MATERIAL – Clay Brick**

**SECTION I – PRODUCT IDENTIFICATION**

**Product Name:** Clay Brick  
**Product Use:** Construction/Building Material

**Supplier name and address:**  
 The Shaw Group Limited  
 P.O. Box 2130  
 Lantz, Nova Scotia  
 B2S 3G4

**Manufacturer name and address:**  
 Same as manufacturer

**Emergency Tel. #:** (902) 883-2201 (daytime only)  
**Fax #:** (902) 883-1273  
**Chemical Name:** Mixture

**Emergency Tel. #:** Same  
**Fax #:** Same  
**Molecular weight:** N. Ap.

**SECTION II - INGREDIENTS**

Ingredients:	CAS #	%	ACGIH TLV	OSHA PEL
Aluminum Silicates Dust	Various	70 – 85	1 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> as Al, 5mg/m <sup>3</sup> Resp.
Iron Compounds	Various	0 - 10	5 mg/m <sup>3</sup>	N.Ap.
Calcium Oxide	1305-78-8	0 - 2	2 mg/m <sup>3</sup>	5mg/m <sup>3</sup>
Calcium Compounds	Various	0 – 2	10 mg/m <sup>3</sup>	N.Ap.
Crystalline Silica	14808-60-7	7 – 15	.025 mg/m <sup>3</sup>	16 mppcf
Amorphous Silica	61790-53-2	40 – 45	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Barium Compounds	Various	0 – 2	.5 mg/m <sup>3</sup> as Ba	.5 mg/m <sup>3</sup> as Mn(C)
Magnesium Compounds	Varoius	0 – 2	10 mg/m <sup>3</sup>	N.Ap.
Potassium Oxide	Varoius	0 – 4	N.Av.	N.Av

**SECTION III – PHYSICAL DATA**

<b>Physical State:</b>	Inert Solid	<b>Freezing Point:</b>	N. Ap.
<b>Odour and appearance:</b>	No Odor. Textured Rectangular Solid	<b>pH:</b>	N. Ap.
<b>Odour threshold:</b>	N. Ap.	<b>Vapour density (air 1):</b>	N. Ap.
<b>Specific gravity:</b>	N. Ap.	<b>Evaporation rate (BuAc 1):</b>	N. Ap.
<b>Coefficient if water/oil distribution:</b>	N. Ap.	<b>Volatility, %:</b>	N. Ap.
<b>Vapour pressure (mmHg):</b>	N. Ap.	<b>Solubility in water:</b>	N. Ap.
<b>Boiling point:</b>	N. Ap.	<b>Density g/ml:</b>	N. Ap.

**SECTION IV – FIRE AND EXPLOSION DATA**

<b>Conditions of flammability:</b>	N. Ap.
<b>Means of extinction:</b>	N. Ap.
<b>Sensitivity to mechanical impact/static discharge:</b>	N. Ap.
<b>Flash point (Method):</b>	N. Ap.
<b>Upper/Lower flammable limits (% by volume):</b>	N. Ap.
<b>Auto-ignition temperature:</b>	N. Ap.
<b>Hazardous combustion products:</b>	N. Ap.

**SECTION V – REACTIVITY DATA**

<b>Stability:</b>	
<b>Incompatible materials:</b>	N. Ap.
<b>Conditions of reactivity:</b>	N. Ap.
<b>Hazardous decomposition products:</b>	N. Ap.

N. Av. Not Available  
 N. Ap. Not Applicable

## MATERIAL – Clay Brick

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### SECTION VI – TOXICOLOGICAL PROPERTIES

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<b>LD<sub>50</sub> of material:</b>	N. Ap.
<b>LC<sub>50</sub> of material:</b>	N. Ap.
<b>Exposure limit:</b>	N.Ap
<b>Route of entry:</b>	Inhalation hazard only when dry sawing.
<b>Effects of Chronic Exposure or Product:</b>	Effects of chronic exposure are only associated with repeated, frequent, excessive exposure to dusts during dry sawing. Crystalline silica is a known cause of silicosis a progressive chronic lung disease and is a group 1 carcinogen.
<b>Irritancy of Product:</b>	
<b>Ingestion:</b>	N. Ap.
<b>Acute effects:</b>	N. Ap.
<b>Other effects:</b>	N. Ap.
<b>Sensitization to product:</b>	N. Ap.
<b>Synergistic product:</b>	N. Ap.
<b>Other effects:</b>	N. Ap.

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### SECTION VII – PREVENTIVE MEASURES

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<b>Personal Protective Equipment:</b>	
<b>Gloves (Specify):</b>	Gloves or hand leathers to protect skin from abrasion during handling.
<b>Respiratory (Specify):</b>	Respiratory protection is required if cutting, crushing, or grinding of product is present. A properly fitted and approved NIOSH respirator as per standard Z94.4 is needed if silica dust exceeds the TLV.
<b>Eye (Specify):</b>	Approved safety glasses with side shields to protect eye from brick chips during sawing or handling. Full face shield may provide additional protection.
<b>Footwear (Specify):</b>	Approved steel toed safety footwear is recommended to be worn.
<b>Clothing (Specify):</b>	N. Ap.
<b>Other (Specify):</b>	N. Ap.
<b>Engineering Controls (e.g. ventilation, enclosed process, specify):</b>	A wet saw method is recommended to minimize dust production during sawing.
<b>Leak and Spill Procedure:</b>	N. Ap.
<b>Waste Disposal:</b>	Non-hazardous Waste
<b>Handling Procedures and Equipment:</b>	Avoid dry sawing. Wear approved respirator if dust produced during sawing.
<b>Storage Requirements:</b>	N. Ap.
<b>Special Shipping Information:</b>	This product is not regulated under TDG

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### SECTION VIII – FIRST AID MEASURES

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<b>Skin:</b>	General first aid treatment for minor skin abrasions during handling.
<b>Eye:</b>	Seek appropriate health care if eye surface scratched. Do not attempt to remove embedded objects in eye.
<b>Inhalation:</b>	Remove to fresh air if dust, during sawing causes difficulty breathing. Seek appropriate health care.
<b>Ingestion:</b>	N. Ap.

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### SECTION IX – PREPARATION DATE OF M.S.D.S.

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<b>Prepared by:</b> Brady Hawley, Division Engineer	<b>Phone:</b> 1-902-883-2201	<b>Date:</b> May 29, 1995
		<b>Rev.:</b> May 1997
		<b>Rev.:</b> May 2000
		<b>Rev.:</b> February 2003
		<b>Rev.:</b> October 2005
		<b>Rev.:</b> October 2007
		<b>Rev.:</b> September 2010
		<b>Rev.:</b> Mar 2012
		<b>Rev.:</b> May 2015

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