

**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 ³	15 mg/m ³ as Al, 5mg/m ³ Resp.
Iron Compounds	Various	0 - 10	5 mg/m ³	N.Ap.
Calcium Oxide	1305-78-8	0 - 2	2 mg/m ³	5mg/m ³
Calcium Compounds	Various	0 – 2	10 mg/m ³	N.Ap.
Crystalline Silica	14808-60-7	7 – 15	.025 mg/m ³	16 mppcf
Amorphous Silica	61790-53-2	40 – 45	10 mg/m ³	10 mg/m ³
Barium Compounds	Various	0 – 2	.5 mg/m ³ as Ba	.5 mg/m ³ as Mn(C)
Magnesium Compounds	Varoius	0 – 2	10 mg/m ³	N.Ap.
Potassium Oxide	Varoius	0 – 4	N.Av.	N.Av

SECTION III – PHYSICAL DATA

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

SECTION IV – FIRE AND EXPLOSION DATA

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

SECTION V – REACTIVITY DATA

Stability:	
Incompatible materials:	N. Ap.
Conditions of reactivity:	N. Ap.
Hazardous decomposition products:	N. Ap.

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

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SECTION VI – TOXICOLOGICAL PROPERTIES

LD₅₀ of material:	N. Ap.
LC₅₀ of material:	N. Ap.
Exposure limit:	N.Ap
Route of entry:	Inhalation hazard only when dry sawing.
Effects of Chronic Exposure or Product:	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.
Irritancy of Product:	
Ingestion:	N. Ap.
Acute effects:	N. Ap.
Other effects:	N. Ap.
Sensitization to product:	N. Ap.
Synergistic product:	N. Ap.
Other effects:	N. Ap.

SECTION VII – PREVENTIVE MEASURES

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

SECTION VIII – FIRST AID MEASURES

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

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

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

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