

Brick it
17 Central Avenue
Hauppauge. NY 11788

Date Completed: 1-14-09
Last Revision 2-26-19

SECTION I- PRODUCT IDENTIFICATION

Product Name: Thin Brick
Chemical Family: Predominately Aluminum Silicates
Formula: Mixture
Product Use: Masonry building material component

SECTION II – HAZARD IDENTIFICATION



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.

ACCUTE 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.

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. Inhalation of brick dust above established or recommended exposure levels should be avoided by use of wet sawing or shaping and/or use of a NIOSH and/or MSHA approved respirator. Always stack and store bricks in a stable manner to avoid falling hazards.

SECTION III – COMPOSITION/IFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	% WEIGHT
Aluminum Silicates	Various	50-85
Quartz	14808-60-7	Varies
Manganese Compounds	Various	0-3
Calcium Compounds	Various	0-3

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 IV – 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 V – FIRE FIGHTING MEASURES

Bricks as shipped, do not pose a fire or explosion hazard

SECTION VI – ACCIDENTAL RELEASE MEASURES

Bricks as shipped, do not pose a threat or danger when accidentally released

SECTION VII – HANDLING AND STORAGE

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

Other controls: Use of wet sawing methods is recommended any time that bricks must be cut.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

	OSHA PEL mg/m ³	ACGIH TLV mg/m ³
Aluminum Silicates	15	10
Quartz	10/ %SiO ₂ + 2 (respirable) 0.50mg/m ³ (respirable)	0.05 (respirable)
Manganese Compounds	Not available	Not available
Calcium Compounds	Not available	Not available

Respiratory Protection: For airborne concentration exceeding the OSHA PEL or ACGIH TLV use a NIOSH and/or MSHA approved respirator.

Skin: Use gloves and or protective clothing if abrasions or allergic reactions are experienced.

Other Protective Equipment: Eye and Face: Face shields should be used when sawing brick. Use of steel toe shoes is recommended when handling brick.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: NA

Vapor Pressure: NA

Melting Point: NA

Vapor Density: NA

Specific Gravity: 2.6

Solubility in Water: Negligible

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

SECTION X – STABILITY AND REACTIVITY

Bricks as shipped are stable and not reactive

SECTION XI – TOXICOLOGICAL INFORMATION

Aluminosilicates Toxic and Hazard Review (Sax): an experimental tumorigen by implant. Toxicity Data: ipl-rat TDLo:90 mg/kg:ETA.

Aluminosilicates (Clay) Toxic and Hazard Review Chemical Toxicology (Hodge Et al.) Toxicity Rating: 1. Chemically and biologically inert when ingested in any of its many physical forms, such as crystalline quartz, amorphous siliceous earth or colloidal silica gels.

Quartz CAS# 14808-60-7. Toxic and Hazard Review (Sax): Experimental poison by intratracheal and intravenous routes. An experimental carcinogen, tumorigen, and neoplastigen. CLASS OF COMPOUND(RTECS): Tumorigen; Mutagen; Human data. Human systemic effects by inhalation: cough, dyspnea, liver effects. Listed bPage 4 of 5y IARC as a "known human carcinogen" Group 1. Listed by NTP. No LD50 in RTECS. Toxicity Data: Inhalation human: TCLo 16 million particles per cubic centimeter per 8 hours per 17.9 Years-Intermittent: Pulmonary system effects; Inhalation-human LCLo: 300 micrograms/m3 per 10 years-intermittent: liver. Other species toxicity data (NIOSH RTECS): intravenous-rat LDLo: 90 mg/kg; intraperitoneal-rat LDLo: 200 mg/kg;intravenous-mouse LDLo: 40 mg/kg; intravenous-dog LDLo: 20 mg/kg.

SECTION XII – ECOLOGICAL INFORMATION

Ecotoxicological/Chemical Fate Information: No data available on any adverse effects of this material on the environment.

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Management/Disposal: This block, or fragments of such, does not exhibit any characteristics of a hazardous waste and is suitable for landfill disposal. However, debris generated during installation or tear-out procedures may be contaminated with other hazardous materials. Therefore, appropriate waste analysis in these instances may be necessary to determine proper method of disposal. Waste characterization and disposal/treatment methods should be determined by a qualified environmental professional in accordance with applicable federal, state and local regulations.

SECTION XIV – TRANSPORTATION INFORMATION

Bricks as shipped are not Hazardous Materials per DOT regulations.

SECTION XV – REGULATORY INFORMATION

RCRA: 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 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.

EPCRA Section 311/312: Bricks as shipped are not a Section 311/312 reportable product.

EPCRA Section 313: Bricks as shipped are not subject to the Section 313, Toxic Chemical Release Inventory reporting requirements.

SECTION XVI – OTHER INFORMATION

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

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

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