



# BILCO BRICK

## MATERIAL SAFETY DATA SHEET

### I. Manufacturer

Bilco Brick Corporation  
P.O. Box 430  
Lancaster, Texas 75146  
  
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### II. Product Information

<b>Product Name:</b>	Concrete Veneer Brick
<b>Chemical Name:</b>	Mixture
<b>Chemical Family:</b>	Majority Crystalline Silica
<b>Formula:</b>	Mixture

### III. Principal Ingredients

<b>Common Name</b>	<b>Ingredients</b>
Portland Cement	Tri Calcium Silicate
Manufactured Sand (Crushed Limestone)	Calcium Carbonate Magnesium Carbonate
Natural Sand	Crystalline Silica
Pea Gravel	Amorphous Silica, Hydrated
Iron Oxides	Synthetic or Inorganic Oxides

### IV. Physical Properties of Bilco Brick

<b>Physical Form:</b>	Solid rectangular
<b>Color:</b>	Various
<b>Odor:</b>	Odorless
<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity:</b>	0.08 lbf/in <sup>3</sup>
<b>Reactivity in Water:</b>	None
<b>Bulk Density:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Percent Volatile By Volume:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Evaporation Rate:</b>	N/A
<b>P.H.</b>	N/A

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## V. Fire and Explosion Properties of Bilco Brick

<b>Flash Point:</b>	Non Combustible/Explosive
<b>Flammable or Explosive Limits:</b>	N/A
<b>Extinguishing Media:</b>	N/A
<b>Special Fire Fighting Procedures:</b>	N/A
<b>Unusual Fire and Explosion Hazards:</b>	None
<b>Lower Explosive Limit:</b>	N/A
<b>Upper Explosive Limit:</b>	N/A

## VI. Health Hazard Information

### Primary Routes of Entry

Dust from sawing brick can enter the body through the eyes and nasal passages.

### Potential Health Effects

**ACUTE EXPOSURE:** Breathing dust caused by cutting the brick with a saw blade may cause nose, throat, respiratory, or lung irritation and choking. The dust may cause mild to severe irritation to the eyes by abrasion with dust or chips. The dust or chips may cause allergic reactions or abrasions if it comes into contact with skin. The described effect depends on the degree of exposure.

**CHRONIC EXPOSURE:** Prolonged or repeated exposure may cause lung injury. This dust contains Portland cement that can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Individuals who are allergic to chromium may develop an allergic dermatitis. This dust also contains crystalline silica. Prolonged exposure to crystalline silica has caused cancer in laboratory animals. Some human studies indicate potential lung cancer from crystalline silica exposure. Risk of injury depends on duration and level of exposure.

### Medical Conditions Aggravated by Exposure

Prolonged brick dust exposure may aggravate any existing respiratory disorders or diseases. Possible complications of allergies resulting in irritation to skin, eyes and respiratory passages may occur from excessive exposure to brick dusts.

## VII. Emergency First Aid Procedures

Irrigate (flood) eyes immediately and repeatedly with clear water. Wash exposed skin areas with soap and water. If the product is swallowed, seek medical attention immediately. If inhalation causes irritation or breathing problems, remove from exposure to airborne particulate. If the irritation to eyes, skin and/or respiratory systems continues, consult a physician.

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## VIII. Personal Protection Recommendations

### Eye Protection Requirement

Tight fitting safety goggles to prevent contact with eyes.

### Skin Protection Requirement

Impervious gloves, clothes and shoes to protect the skin.

### Respirator Protection Requirements

When concentrations from sawing brick exceed the OSHA PEL or ACGIH TLV, a NIOSH/MSHA approved dust respirator should be worn.

### Ventilation Protection Requirements

Use adequate ventilation to maintain exposure below the OSHA PEL and ACGIH TLV when sawing brick.

### Other Protection Requirements

Wear safety shoes with steel toes.

A wet saw is recommended for cutting brick.

## IX. Stability and Reactivity

### General:

Product is stable

### Incompatible Materials and Conditions to Avoid:

None

### Hazardous Decomposition:

None, solid

## X. Carcinogenicity

NTP and OSHA do not include this material, or its components, in their carcinogen listings. IARC has classed crystalline silica (quartz) as a probable human carcinogen.

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