



## SAFETY DATA SHEET

### 1. Identification

#### Product Identifier

Material Name: Acid Resistant Brick, Acid Resistant Tiles

Synonyms: Red shale, Fire clay acid resistant brick, tiles, acid

#### Resistant Custom brick and tiles shapes

Chemical Group: Aluminum Silicates

Formula: Mixture

Recommended Uses: Building material for Structural support, Industrial

#### Heavy duty Flooring, Exterior and interior

Floor and walls lining.

### 2. Hazard Identification

Classification: N/A

Pictograms: N/A

Hazard Statements: Brick dust may contain crystalline silica, a chemical that Causes cancer stated by certain agencies.

Precautionary Statements: Limit inhalation of clay dust, Wash hands after using this product, Wear Protective gloves/protective glass while handling.

Response: If exposed: Get medical concern, if skin rashes occurred: Medical attention, if brick dust inhaled: remove person in fresh air until breath comfortable.

Storage: N/A

Disposal: Dispose unwanted or unused brick pieces as per local, national and international standards.

#### Ingredients of unknown

Toxicity: 0%



### 3. INGREDIENTS INFORMATION

Sr.No	Ingredient	Weight%
1	Aluminum Silicates	55— 75 %
2	Quartz	6 — 28 %
3	Chromium, Manganese, Iron: compounds	Traces

The Information above are provided for environment purpose and industrial hygiene and are not intended to represent product specifications

### 4. FIRST AID MEASURES

Eye Contact: Wash with plenty of water, get medical aid if irritation continuous.

Skin Contact: If any rashes or cut: Treat with disinfectant and bandages.

Inhalation: Consult physician if breathing not comes to normal OR Cough appears.

Notes to Physician: Symptoms may not have appeared immediately

### 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: N/A, Brick will not Burn

Fire/Explosion Hazards: Brick as shipped do not pose fire/explosion hazard

Advice for Fire Fighting: N/A

### 6. ACCIDENTIAL RELEASE MEASURES

#### Precautions and Protective

Equipment: Recommended in Section 8

Emergency Procedures: N/A

Method of Cleanup: N/A

Cleanup Procedures: N/A

### 7. HANDLING AND STORAGE

Precautions: Avoid breathing of dust

Storage: Always stack and store brick in a stable manner to avoid falling Hazards.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	Ingredient Name	ACGIH TLV	OSHA PEL
Occupational Exposure Limits	Aluminum Silicates	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
	Quartz	10 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup>
	Chromium, Manganese and Iron Content	N/A	N/A

Personal Protective Equipment : Goggles, Gloves, Respirators

Other Clothing: Cut resistant gloves may be necessary, respirator normally not normally needed unless cutting with dry saw.

Other: Use of wet sawing methods is recommended that bricks may be cut hence elimination of brick dust.

## 9. PHYSICAL / CHEMICAL PROPERTIES

Physical State	Solid Brick, Tile and Shapes
Color	Mainly Cream and Terracotta color
Odor	Odorless
Odor threshold	N/A
Molecular Weight and Formula	Mixture
Solvent and Water Solubility	Very Low
pH	N/A
Melting/Boiling Point (°C)	N/A
Partition Co-efficient	N/A
Decomposition Temperature	N/A
Evaporation rate (gm/s)	N/A
Vapor Pressure (kPa)	N/A
Vapor Density (g/ml)	N/A
Relative Density	N/A
Viscosity	N/A



Auto ignition Temperature (°C)	N/A
Flammability	N/A
Flash Point (°C)	N/A
Upper Explosive Limits (%by Vol.)	N/A
Lower Explosive Limits (%by Vol.)	N/A

## 10. STABILITY AND REACTIVITY

Reactivity: Bricks as shipped are not reactive

Chemical Stability: Stable under normal condition of use

Oxidizing Properties: N/A

Incompatible reaction: N/A

Hazardous Decomposition: N/A

### AVOID CONTACT WITH HYDROFLURIC ACID

## 11. TOXOLOGICAL INFORMATION

Inhalation: Dust generated from dry cutting of brick and tiles, may release repairable and non-repairable crystalline silica. Crystalline silica is known as carcinogen and may lead to a condition known silicosis in human if proper precautions are not followed.

Eyes: Eyes may be irritated by dust generated by dry cutting chemical bricks and tiles, protect eyes from potential injuries from broken chips when cutting or demolishing.

## 12. ECOLOGICAL INFORMATION

Non Hazardous: There is no evidence that these materials produce any environmental hazard.

## 13. DISPOSAL INFORMATION

Disposal should be in accordance with applicable local, regional, national and international laws and regulations. Not a Hazard waste as per US EPA regulations.

## 14. TRANSPORT INFORMATION

This Material Is Not Regulated For Transportation As Hazardous Material / Dangerous Goods.

Dot: Bricks As Shipped Are Not Hazardous Materials Per Dot Regulations.

## 15. 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 in accordance with federal, state, and local



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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 A Subject To The Section 313, Toxic Chemical Release Inventory Reporting Requirements.

DOT: BRICKS AS SHIPPED ARE NOT HAZARDOUS MATERIALS PER DOT REGULATIONS.

## **16. OTHER INFORMATION**

INTERKILN 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 the BRICK and TILE.

Prepared By: INTERKILN

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