

## SAFETY DATA SHEET

This document has been prepared in accordance with the [Occupational Safety and Health Administration \(OSHA\)](#) Hazard Communication Standard (HCS), [29 Code of Federal Regulations § 1910.1200\(g\)](#).

### SECTION I IDENTIFICATION

#### PRODUCT IDENTIFICATION

**Product Name:** Thin Brick and Quarry Tile

#### RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Product Use:** Thin Brick and Quarry Tile are products used as coverings for floors and walls.

#### MANUFACTURER INFORMATION

**Name:** Ironrock Capital Inc.

**Address:** 1201 Millerton Street SE  
Canton, Ohio 44707

**Telephone Number:** 330-484-4887

#### EMERGENCY TELEPHONE NUMBER

**Emergency Telephone Number:** 330-484-4887

### SECTION II HAZARD IDENTIFICATION

#### CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200

**Skin Irritation:** Not Available

**Serious Eye Damage:** Not Available

**Skin Sensitization:** Not Available

#### GHS Classification (Global Harmonized Standard Classification):

**Specific Target Organ Toxicity  
Single Exposure:** Respiratory tract irritation – Category 3 (H335)

**Specific Target Organ Toxicity  
Repeated Exposure:** Category 1A (H372)

**Carcinogenicity:** Category 1A (H350)

#### SIGNAL WORD (GHS-US)

DANGER

#### HAZARD STATEMENTS (GHS-US)

May cause cancer (inhalation)  
May cause respiratory irritation  
Causes damage to organs (lung/respiratory) through prolonged or repeated (inhalation)

#### HAZARD SYMBOLS (GHS-US)



## SAFETY DATA SHEET

### PRECAUTIONARY STATEMENTS (GHS-US)

Do not handle until all safety precautions have been read and understood. (P202)  
Do not breathe dust/spray. (P260 & P261)  
Wash skin thoroughly after handling. (P264)  
Do not eat, drink, or smoke when using this product. (P270)  
Wear protective gloves, protective clothing, eye protection, face protection. (P280)

### HAZARDS NOT OTHERWISE CLASSIFIED

Caution should be used when sawing this product as dust may be released. This dust may contain respirable Crystalline Silica (Quartz). It is recommended that a wet saw be used.

### UNKNOWN ACUTE TOXICITY

Not Available

## SECTION III

### COMPOSITION/INFORMATION ON INGREDIENTS

Thin Brick and Quarry Tile are composed of mixtures of naturally occurring clay and shales fired to at least 1100 degrees C.

<b>Chemical Name:</b>	Respirable Crystalline Silica
<b>Common Names and Synonyms:</b>	Quartz
<b>CAS Number:</b>	14808-60-7
<b>Estimated % by Weight:</b>	20-30

## SECTION IV

### FIRST-AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

<b>Skin Contact:</b>	Wash thoroughly after working with tiles.
<b>Eye Contact:</b>	Flush eyes with water if dust gets in eyes.
<b>Inhalation:</b>	Heavy contamination with dust may cause respiratory irritation to the nose and throat. Remove the affected person from the area to fresh air. To avoid inhalation risks, do not dry cut this product. Use a wet saw.
<b>Ingestion:</b>	Not applicable for intact tiles.

#### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

May cause respiratory irritation. May cause cancer. Causes damage to organs through prolonged or repeated exposure.

#### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not Available

## SECTION V

### FIRE-FIGHTING MEASURES

These products are not flammable. No fire or explosion hazards exist.

#### SUITABLE AND UNSUITABLE EXTINGUISHING MEDIA

Not Available

#### SPECIFIC HAZARDS ARISING FROM CHEMICAL

Not Available

## SAFETY DATA SHEET

### SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Not Available

## SECTION VI ACCIDENTAL RELEASE MEASURES

These products do not release hazardous material.

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use individual protection recommended in Section VIII.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Avoid creating excessive dust. Clean up dust with a vacuum system with a High-Efficiency Particulate (HEPA) Air Filter vacuum or damp sweeping.

## SECTION VII HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

When cutting or grinding, use a wet method. If a wet method is not available, use local dust collection or ventilation. Use a respirator when cutting or grinding.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Shelf life is unlimited. [Comply with applicable regulations.](#)

## SECTION VIII EXPOSURE CONTROL/PERSONAL PROTECTION

### EXPOSURE LIMITS FOR CRYSTALLINE SILICA

**OSHA Permissible Exposure Limit:** 50 µg/m<sup>3</sup> (micrograms per cubic meter of air) measured as an 8-hour workday (time weighted average or "TWA").

**ACGIH Threshold Limit Value:** 0.025 mg/m<sup>3</sup> (respirable particulate matter)

### EXPOSURE CONTROLS

**Engineering Controls:** Use adequate ventilation to keep dust exposure below recommended levels when cutting. Avoid inhalation of dust. Wet cutting methods [and exposure control methods set forth in Table 1 of 29 CFR § 1926.1153](#) are recommended.

### INDIVIDUAL PROTECTION MEASURES

**Eye Protection:** Use dustproof goggles or safety glasses with side shields when cutting.

**Respiratory Protection:** Use a properly fitted NIOSH/MSHA approved particulate respirator when cutting.

**General Health and Safety Measures:** Personal protection information in Section VIII is based on general information for normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

## SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE (PHYSICAL STATE, COLOR, etc.)

Thin Brick and Quarry Tile is a solid, non-flammable, odorless product. It comes in various colors.

### ODOR

Thin Brick and Quarry Tile is odorless.

## SAFETY DATA SHEET

### **ODOR THRESHOLD**

Not Available

### **pH**

Not Available

### **MELTING POINT/FREEZING POINT**

Not Available

### **INITIAL BOILING POINT AND BOILING RANGE**

Not Available

### **FLASH POINT**

Not Available

### **EVAPORATION RATE**

Not Available

### **FLAMMABILITY (SOLID, GAS)**

Thin Brick and Quarry Tile is solid, non-flammable. It will not ignite or explode.

### **UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS**

Not Available

### **VAPOR PRESSURE**

Not Available

### **VAPOR DENSITY**

Not Available

### **RELATIVE DENSITY**

Not Available

### **SOLUBILITY**

Thin Brick and Quarry Tile is not soluble in water, however it should not be used near or contacted with Hydrofluoric acid as it may leach heavy metal residues

### **PARTITION COEFFICIENT: N-OCTANOL/WATER**

Not Available

### **AUTO-IGNITION TEMPERATURE**

Not Available

### **DECOMPOSITION TEMPERATURE**

Not Available

### **VISCOSITY**

Not Available

## SAFETY DATA SHEET

### SECTION X STABILITY AND REACTIVITY

#### REACTIVITY

No dangerous reaction known under conditions of normal use.

#### CHEMICAL STABILITY

Stable.

#### POSSIBILITY OF HAZARDOUS REACTION

No dangerous reaction known under conditions of normal use.

#### CONDITIONS TO AVOID

Avoid contact with Hydrofluoric acid.

#### INCOMPATIBLE MATERIALS

Hydrofluoric acid.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Not Available

### SECTION XI TOXICOLOGICAL INFORMATION

#### LIKELY ROUTES OF EXPOSURE

Skin contact, eye contact, inhalation, ingestion.

#### SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS

<b>Skin Contact:</b>	Dust or occasional contamination on the skin will cause no adverse effects.
<b>Eye Contact:</b>	Entry of dust or chips into the eyes as a foreign body will cause local irritation.
<b>Inhalation:</b>	Heavy contamination with dust may cause respiratory irritation to nose and throat. Repeated exposure by inhalation may cause a serious chronic effect which could lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur without symptoms or signs of ill health. Silicosis can develop to a more serious degree even after exposure has ceased and may lead to other diseases including heart disease. Development of silicosis may increase the risk of lung cancer. To minimize the risk, caution should be taken when sawing or during demolition of Thin Brick and Quarry Tile. Wet cutting, proper ventilation, and the use of a properly fitted NIOSH/MSHA approved particulate respirator is recommended.
<b>Ingestion:</b>	Unlikely, but non-toxic if swallowed.

#### DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

<b>Short-Term Exposure:</b>	Not Available
<b>Long-Term Exposure:</b>	The dust generated from cutting Thin Brick and Quarry Tile may release respirable Crystalline Silica, a known carcinogen, and prolonged or repeated inhalation of dust may lead to silicosis and cancer.

#### NUMERICAL MEASURES OF TOXICITY

<b>Acute Toxicity:</b>	Not Available
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## SAFETY DATA SHEET

### **NATIONAL TOXICOLOGY PROGRAM REPORT ON CARCINOGENS**

<b>Carcinogenicity of Quartz:</b>	National Toxicology Program Status <ul style="list-style-type: none"><li>• Known Human Carcinogens</li></ul> International Agency for Research on Cancer Status <ul style="list-style-type: none"><li>• 1 – The agent (mixture) is carcinogenic to humans</li></ul> OSHA <ul style="list-style-type: none"><li>• OSHA Hazard Communication Carcinogen List</li></ul>
<b>NPT:</b>	Yes
<b>IARC Monographs:</b>	Yes
<b>OSHA:</b>	Yes

## **SECTION XII**

### **ECOLOGICAL INFORMATION**

Thin Brick Quarry Tile produce no environmental hazards.

#### **ECOTOXICITY**

Not Available

#### **PERSISTENCE AND DEGRADABILITY**

Not Available

#### **BIOACCUMULATIVE POTENTIAL**

Not Available

#### **MOBILITY IN SOIL**

Not Available

#### **OTHER ADVERSE EFFECTS**

Not Available

## **SECTION XIII**

### **DISPOSAL CONSIDERATIONS**

#### **DISPOSAL METHOD**

Waste Thin Brick and Quarry Tile should be disposed of in accordance with applicable State and Local regulations. It is not a hazardous waste under United States Environmental Protection Agency regulations.

#### **OTHER DISPOSAL CONSIDERATIONS**

Not Available

## **SECTION XIV**

### **TRANSPORT INFORMATION**

There are no hazards in storage or shipping of Thin Brick and Quarry Tile. There are no known regulations or constraints for storing or transporting these products.

#### **UN NUMBER**

Not Regulated

#### **UN PROPER SHIPPING NAME**

Not Regulated

#### **TRANSPORT HAZARD CLASS**

Not Regulated

**SAFETY DATA SHEET**

**PACKING GROUP, IF APPLICABLE**

Not Regulated

**ENVIRONMENTAL HAZARD**

Not Available

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE**

Not Available

**SPECIAL PRECAUTIONS FOR USER**

Not Available

**SECTION XV**

**REGULATORY INFORMATION**

**SAFETY, HEALTH, AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE PRODUCT**

**United States:** SDS prepared pursuant to the Hazard Communication Standard (29 CFR § 1910.1200)

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS**

**OSHA:** Occupational Safety and Health Administration  
**ACGIH:** American Conference of Governmental Industrial Hygienists

- A1 – Confirmed human carcinogen

**IARC:** International Agency for Research on Cancer

- 1 – The agent (mixture) is carcinogenic to humans

**NTP:** National Toxicology Program

- Known Human Carcinogens

**State Regulations:**

- Massachusetts – Right To Know List
- New Jersey – Right to Know Hazardous Substance List
- Pennsylvania – RTK (Right to Know) List

**SECTION XVI**

**OTHER INFORMATION**

**Date of Preparation:** December 12, 2014

**Date of Revision:** Month, Day, Year