MATERIAL SAFETY DATA SHEET
SUMMITVILLE QUARRY TILE, FLOOR BRICK, THIN BRICK

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: SUMMITVILLE TILES, INC.
STATE ROUTE 644
P.O. BOX 73
SUMMITVILLE, OH 43962

PROPER SHIPPING NAME: Not Regualted

UN NUMBER: Not Reg

HAZARD CLASS: Not Reg

PACKING: Not Reg

INFORMATION PHONE: 330-223-1511
EMERGENCY PHONE: 330-223-1511

PRODUCT NAME: SUMMITVILLE QUARRY TILE, FLOOR BRICK, THIN BRICK

PRODUCT NUMBER:

UPC NUMBER:

PREPARED BY: Safety Manager

DATE PREPARED: 7/5/12

LAST REVISION: 6/1/09

SYNONYMS: BRICK/TILE

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name | CAS # | OSHA PEL | ACGIH TLV
---------------|-------|----------|---------
CRYSSTALINE SILICA AS QUARTZ | 14808-60-7 | 10mg/m3 / %SiO2 +2 (RESPIRABLE) | 0.1 mg/m3
Aluminum Silicate Hydrous | 12141467 | 10 mg/m3 | 10 mg/m3
SILICA, CRYSSTALINE - TRIDYMITE | 15468323 | PEL = SEE TABLE Z-3 | TLV = 0.05mg/m3 RESPIRABLE DUST

3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: This material poses no known health hazard in its solid form. Crushing, grinding, cutting etc. of this product may produce airborne respirable Crystalline Silica dust. Breathing of Silica over a prolonged time can cause lung damage including Silicosis.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Dust or chips can cause mechanical irritation or damage.

INHALATION: Prolonged exposure to silicon dioxide dust can cause delayed (chronic) lung injury (silicosis).

INGESTION: Unknown

SKIN CONTACT: Can cause mechanical abrasion or cuts.

SIGNS AND SYMPTOMS OF EXPOSURE:
Irritation and/or difficulty breathing, irritation of eyes, skin, mouth and/or nasal passages, possible headache.

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: If swallowed, DO NOT induce vomiting unless instructed to do so by a physician. Call a physician or poison control center. Product is not toxic as supplied. Abrasive nature of product dust or small pieces could damage internal organs. Never give anything by mouth to an unconscious person.
SKIN CONTACT: Wash affected area with soap and water. If irritation persists, get medical attention.

AGGRAVATED MEDICAL CONDITIONS:
Prolonged inhalation of respirable silica created by cutting, grinding, crushing, etc. silica containing ceramic materials above permissible exposure limits will result in permanent lung damage (Silicosis).

SUPPLEMENTAL HEALTH INFORMATION:
Dust created from alteration and/or destruction of this product may contain respirable silica. Please observe all cautions regarding exposure to dust from such operations including federal, state and local guidelines. Large amounts of data regarding dust protection (including but not limited to respirable silica) are available from multiple sources including OSHA and NIOSH. Summitville recommends reviewing information from several official sources to determine the best course of action for each circumstance.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASH POINT: NA
AUTO IGNITION: NA
LEL: 0
UEL: 0

EXTINGUISHING MEDIA:
Non-flammable, non-combustible. Use appropriate media for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES:
N/A. Will not burn.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None known.

COMBUSTION PRODUCTS:
None known.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:
Keep dust to a minimum. Material may be vacuumed or swept by personnel wearing appropriate protective equipment.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Take precautions to minimize creation and breathing of dust during handling, cutting, etc.

OTHER PRECAUTIONS:
See cautions regarding breathing dust as this product may release respirable Crystalline Silica when cut, crushed, etc.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION:
Respiratory protection is not necessary when the material is in its solid state. If crushing, cutting, grinding etc. material, wear appropriate NIOSH dust protection.
VENTILATION:
Follow OSHA or other applicable exposure guidelines. When sawing, grinding crushing, etc. ceramic products, use respirator protection based upon anticipated or actual exposure monitoring results. Local exhaust may or may not be sufficient.

PROTECTIVE GLOVES:
Wear leather or cotton gloves during handling to avoid abrasions from handling

EYE PROTECTION:
Safety glasses with side shields (or goggles) as appropriate.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
Wear long sleeves to avoid cuts and/or abrasions when handling material.

WORK / HYGIENIC PRACTICES:
Use good personal hygiene when handling this product. Wash hands after use, before eating, smoking, or using the toilet.

ENGINEERING CONTROLS:
Maintain air levels below established TLVs for this material when crushing, cutting, grinding, etc. ceramic materials.

EXPOSURE GUIDELINES:
Treat potential exposure to dust with caution. Review PEL and TLV information in material identification section as well as federal, state, and local guidelines on respirable silica protection. Refer to inhalation section for immediate and long term effects of overexposure.

9. PHYSICAL AND CHEMICAL PROPERTIES
SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Solid ceramic article, color varies

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<th>Property</th>
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<td>Boiling Point</td>
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<td>Vapor Density</td>
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<tr>
<td>Other Properties</td>
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10. STABILITY AND REACTIVITY
STABLE:
Stable

INCOMPATIBILITY:
Reacts with Hydrofluoric Acid to generate volatile corrosive gas, SiF, Silicon Tetrafluoride.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS:
None Known
HAZARDOUS POLYMERIZATION:
Will Not Occur

11. TOXICOLOGY INFORMATION
No acute or chronic effects from exposure to intact ceramic tile/brick are known. Operations such as cutting, grinding, crushing, etc. of ceramic materials containing silica may cause a release of respirable crystalline silica. Long term exposure to respirable silica at or above allowable occupational exposure limits may lead to the development of Silicosis and may be associated with tuberculosis, bronchitis emphysema, and other diseases, disorders and ill health effects.

12. ECOLOGICAL INFORMATION
Crystalline silica (quartz) is not known to be eco-toxic; i.e., there are no data that suggests that crystalline silica (quartz) is toxic to birds, fish, invertebrates, microorganisms or plants.

13. DISPOSAL CONSIDERATIONS
Under RCRA (40 CFR Part 261) tile is not a hazardous waste. Dispose of in accordance with all Federal, State, and Local regulations.

14. TRANSPORTATION INFORMATION
DOT CLASS: Not Regulated
HAZARD CLASS: Not Reg
UN NUMBER: Not Reg
PACKING: Not Reg
GUIDE NUMBER: N/R
PROPER SHIPPING NAME: Not Regulated

15. REGULATORY INFORMATION
All of the components of this material are either listed on the TSCA Inventory, or are not subject to notification requirements (exempt). This material may contain trace amounts of chemicals known in the state of California to cause cancer, birth defects, or other reproductive toxicity.

16. OTHER INFORMATION
HMIS INFORMATION: HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0 PROTECTIVE: X

Disclaimer
The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein. Summitville Tiles Inc considers this product to be an "article" as defined in 29 CFR Part 1200(b) (5) (FV) and CFR Part 372. As an article, a MSDS is not required and the product is exempt from all other requirements of the hazardous communication standard. OSHA requires a MSDS for brick, since brick is occasionally dry-sawed, creating dust that may release respirable silica.

Active MSDS statement
This MSDS is designated as the current and accurate MSDS for the products as listed at this time.