

Safety Data Sheet

According to Regulation (EC) No 1907/2006 (REACH)

Trade name: Glazed Porcelain Tile

SDS date: May 2018

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME:	Glazed Porcelain Tile
SYNONYM:	
PRODUCT CODES:	All current product references
CHEMICAL NAME:	N/A
CHEMICAL FAMILY:	N/A
CHEMICAL FORMULA:	N/A
MANUFACTURER:	Florida Tile
DIVISION:	Corporate
ADDRESS:	1247 Alton Rd. Lawrenceburg, KY 40342
EMERGENCY PHONE:	859-219-5200
RECOMMENDED USE:	Residential and Commercial Construction Applications
USE RESTRICTIONS:	Refer to product installation manual

SECTION 2: Hazards Identification



IRRITANT/RESPIRATORY TRACT IRRITATION



CARCINOGEN

NOTES: Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long term exposure to silica dusts can lead to silicosis.

EMERGENCY OVERVIEW:

The product is not classified as hazardous according to Regulation 1272/2008 (CLP). The product is a mixture of natural occurring minerals that have been mixed with water and fired in a high temperature kiln.

Signal Word (GHS-US)	:Danger
Hazard Statements (GHS-US)	:H335 - May cause respiratory irritation. H350 - May cause cancer. H372 - Causes damage to organs through prolonged or repeated exposure.
Precautionary Statements (GHS-US)	: P280 - Wear protective gloves, protective clothing, and eye protection. P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

POTENTIAL HEALTH EFFECTS

EYES: Mechanical stress through eye rubbing if exposed to dust or airborne particulates

SKIN: Skin irritation if exposed to dust or airborne particulates

INGESTION: Potential choking hazard if exposed to airborne particulates

INHALATION: Mechanical stress from inhalation of dust or airborne particulates

ACUTE HEALTH HAZARDS: No further relevant information available.

CHRONIC HEALTH HAZARDS: No further relevant information available

CARCINOGENICITY

Crystalline Silica (Quartz)

LD50 Rat oral > 22,500 mg/kg & LD50 Mouse oral > 15,000 mg/kg LC50 Carp > 10,000 mg/l (per 72 hr)

OSHA: Recommended that Crystalline Silica be considered a POTENTIAL occupational carcinogen ACGIH: No information available

NTP: 9th Report: Lists Respirable Crystalline Silica as known to be a Human Carcinogen

IARC: Respirable Crystalline Silica is classified as a Group 1 Carcinogen (carcinogenic to humans).

SECTION 3. Composition/Information on Ingredients

INGREDIENT:

The product is a mixture of below natural occurring minerals that have been mixed with water and fired in a high temperature kiln. This tile may contain <0.1 percent by weight each of the following elements; cadmium, zinc, chrome and other metals.

NAME	CAS NO.	% WT	SARA 313 REPORTABLE
Crystalline Silica (Quartz) *	14808-60-7	11 - 44	DSD: Not Classified CLP: Not Classified
Nepheline	37244-96-5	3 - 28	DSD: Not Classified CLP: Not Classified
Titanium Dioxide	13463-67-7	0.1-3	DSD: Not Classified CLP: Not Classified
Kaolin	1332-58-7	9-30	DSD: Not Classified CLP: Not Classified

* Crystalline Silica exists in the nature of the minerals such as sand and clay

SECTION 4: First aid measures

Respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting tiles or if dust is produced by any other operations, including removal.

EYES: Do not rub eyes to avoid possible cornea damage as a result of mechanical stress. Check for and remove any contact lenses. Rinse out with water with eyelid held wide open. Get medical attention if irritation persists.

SKIN: Wash off immediately with soap and plenty of water. Get medical attention if irritation persists.

INGESTION: Rinse out mouth and make victim drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel; call for medical help.

INHALATION: Remove from exposure. Keep warm and at rest and provide fresh air. Dust in throat and nasal passages should clear spontaneously. Get medical attention if irritation persists.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No further information available.

SECTION 5: Firefighting measures

FLAMMABLE LIMITS IN AIR, UPPER: Not Flammable
(% BY VOLUME) LOWER: Not Flammable

FLASHPOINT: No Data Available
F: N/A
C: N/A

METHOD USED:

AUTOIGNITION TEMPERATURE: No Data Available
F: N/A
C: N/A

EXTINGUISHING MEDIA:
Suitable: Water, alcohol resistant foam, CO₂, dry chemical
powder Unsuitable: Water jet

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus and full protective clothing in case of fire. Avoid breathing fire fumes

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not explosive

HAZARDOUS DECOMPOSITION PRODUCTS:

The product is non-combustible and non-explosive and will not facilitate or sustain the combustion of other materials. Development of hazardous combustion gases or fumes are possible in the event of fire.

SECTION 6: Accidental release measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

For non-emergency personnel: Keep unnecessary and unprotected personnel from entering. Wear appropriate personal protective equipment as described in Section 8. Follow the advice for safe handling and use given in Section 7.

For emergency responders: Emergency procedures are not required. However, respiratory protection is needed in situations with high dust levels.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP

Do not empty into drains and sewers. Keep from entering into water and ground water systems. Contain spillage where possible and safe to do so. Inform appropriate authority in case of accidental contamination of watercourses or drains.

Use dry clean-up methods such as vacuum exhaust which do not generate dust formation. Never use compressed air for cleaning. If dust is formed applying a dry-cleaning method, personal protective equipment must be used. Avoid inhalation of product dust and skin contact. Place the spilled material in an appropriate waste disposal container for proper disposal.

SECTION 7: Handling and storage

PRECAUTIONS FOR SAFE HANDLING

Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. Avoid inhalation and contact with skin, eye and clothing.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.

OTHER PRECAUTIONS:

No further relevant information available.

EXPOSURE GUIDELINES: Attempt to stop spillage without personal risk. Should not be released into the environment. Prevent product from entering drains.

SECTION 8: Exposure controls/personal protection



ENGINEERING CONTROLS:

Contains the following ingredients with occupational exposure limit values:

Crystalline Silica (Quartz): TWA: 0.1 mg/cubic meter (respirable dust)

Nepheline Syenite: TWA(respirable): 5mg/m³

Titanium Dioxide: 15mg/m³(OSHA-PEL)

Kaolin: 2mg/m³(Respirable Fraction)

VENTILATION: Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize dust concentrations. The highest probability of silica exposure occurs during dry cutting. Wet cutting methods are recommended.

RESPIRATORY PROTECTION: Use FFP2 type dust mask

EYE PROTECTION: Use tight fitting safety goggles or safety glasses with side shields where dust is formed. Contact lenses may absorb irritants. Do not wear contact lenses in work areas. Have emergency eyewash station available in area where tiles are cut

SKIN PROTECTION: Wear dust proof protective gloves, boots, and long-sleeved clothing.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required

WORK HYGIENIC PRACTICES: Do not eat, drink or smoke when working. Wash hands and if necessary shower before breaks and after work to remove adherent product. Avoid contact with eyes and skin. After working with the product, workers should wash or shower and use skin care products. Clean contaminated clothing, footwear etc. thoroughly before re-using them.

SECTION 9. Physical and chemical properties

APPEARANCE: Solid

ODOR: Odorless

PHYSICAL STATE: Solid

pH AS SUPPLIED: No data available pH (Other):

BOILING POINT: No data available

F:

C:

MELTING POINT:

F: > 2372

C: > 1300

FREEZING POINT: No data available

F:

C:

UPPER/LOWER FLAMIBILITY OR EXPLOSIVE LIMITS: No data available

VAPOR PRESSURE (mmHg): Not applicable

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F:

C:

VAPOR DENSITY (AIR = 1): 2.35 – 2.95 g / cubic centimeter

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F:

C:

SPECIFIC GRAVITY (H₂O = 1): Not applicable

@

F:

C:

EVAPORATION RATE: Not applicable

SOLUBILITY IN WATER: Not soluble

PERCENT SOLIDS BY WEIGHT: 100%

PERCENT VOLATILE: Not applicable BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC): Not applicable WITH

WATER: LBS/GAL

WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT: Not applicable VISCOSITY: Not applicable

@

F:

C:

SECTION 10: Stability and reactivity

STABILITY: The product is STABLE under normal conditions of storage and use. Contact with incompatible materials should be avoided.

CONDITIONS TO AVOID (STABILITY): Avoid contact with acids (e.g. acetic, hydrofluoric, etc.) Glass is non-flammable. Glass will react with hydrofluoric acid producing a corrosive gas – silicon tetra fluoride.

INCOMPATIBILITY (MATERIAL TO AVOID): Acids (e.g., acetic, hydrofluoric, etc.)

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced. In a fire, decomposition may produce toxic gases / fumes. Glass sand is not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, Title 29, Code of Federal Regulations, Section 1910.1200.

HAZARDOUS POLYMERIZATION: Not applicable

CONDITIONS TO AVOID (POLYMERIZATION): Not applicable

SECTION 11: Toxicological information

TOXICOLOGICAL INFORMATION:

Acute: Working with broken or cut tile produces a potential for cuts to the hands and exposed body parts. Acute effects such as eye irritation may occur if associated with high dust operations such as dry cutting tile or during the removal of tile surfaces.

Chronic: Not applicable for intact tiles. Excessive exposure to tile dust can cause discomfort and mechanical irritation. Long term exposure to silica dusts can lead to silicosis.

Crystalline Silica (Quartz)

LD50 Rat oral > 22,500 mg / kg & LD50 Mouse oral > 15,000mg/ kg LC50

Carp > 10,000 mg / l (per 72 hrs.)

Nepheline Syenite

Dermal: LD50 estimated to be > 5,000 mg/kg

Ingestion: LD50 estimated to be 2,000 - 5,000 mg/kg

Titanium Dioxide

Oral LD50 > 10,000 mg/kg

Skin & Eye corrosion / irritation

Inhalation and potential eye exposure to eyes may cause irritation if contact is made with broken, and / or during procedures involving the cutting of tiles, and / or for operations involving the removal of installed tiles.

Sensitization Existing lung disease may be aggravated after exposure to tile dusts. Long term exposure to silica dusts can lead to silicosis.

Genetic Toxicity No data available **Repeated Dose Toxicity** No data available

Carcinogenicity

Respirable crystalline silica is classified by the International Agency for Research on Cancer (IARC) as a Group 1 Carcinogen (carcinogenic to humans). The National Toxicology Program (9th Report) lists respirable crystalline silica as known to be a Human Carcinogen. USDOL/OSHA and NIOSH have recommended that crystalline silica be considered a potential occupational carcinogen.

Reproductive Toxicity No data

Specific target organ Toxicity:

No data

SECTION 12: Ecological information

No information available.

SECTION 13: Disposal considerations

WASTE DISPOSAL METHOD:

Waste Treatment Methods:	Can be deposited in landfills, sent to an incineration or other appropriate means of disposal provided they meet the requirements of local laws.
Methods of Disposal:	Although not hazardous, the generation of waste should be avoided or minimized wherever possible. Do not dispose in Storm or Sanitary Sewers. Dispose of in accordance with state and local regulations.
Contaminated Packaging:	This material and its package must be disposed of in a safe way

SECTION 14: Transport information

RCRA HAZARD CLASS:	Not Applicable
SPECIAL SHIPPING INFORMATION	Not Applicable
In Accordance with DOT	Not regulated for transport
In Accordance with IMDG	Not regulated for transport
In Accordance with IATA	Not regulated for transport

SECTION 15: Regulatory information

US Federal Regulations

Porcelain Tile	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
Quartz (14808-60-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Kaolin (1332-58-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

US State Regulations

Silica (Quartz) (14808-60-7)
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Kaolin (1332-58-7)
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

This product and/or its components have been previously introduced into U.S. commerce and is listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals in Commerce. Hence, it is subject to all applicable provisions and restrictions under TSCA 40 CFR Section 721 and 723.250.

This tile contains <1 percent by weight each of the following elements, which are SARA 313 Recordable: Antimony, Arsenic, Barium, Beryllium, Cadmium, Cobalt, Chromium, Copper, Manganese, Mercury, Nickel, Lead, Silver, Thallium, Tin, Titanium, Vanadium, and Zinc.

Title 22 Division 2, California Code of Regulation Chapter 3 (Proposition 65): This product contains a chemical or chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

This product or its components meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

<input type="checkbox"/> Combustible Liquid	<input type="checkbox"/> Flammable Aerosol	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> Compressed Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Flammable Gas	<input checked="" type="checkbox"/> Health Hazard (Sections 3 & 11)	<input type="checkbox"/> Unstable
<input type="checkbox"/> Flammable Liquid	<input type="checkbox"/> Organic Peroxide	<input type="checkbox"/> Water Reactive
<input type="checkbox"/> Flammable Solid		

☐ Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

Note: The information in this data sheet provides information related to the potential hazards associated with dusts which may be produced during cutting or otherwise changing the shape of the tile during installation and/or removal.

SECTION 16: Other information

OTHER INFORMATION:

PREPARATION INFORMATION:	Date Prepared	July 20, 2018
	Revision	02
	Prepared by	Hall Environmental Consultants

DISCLAIMER: The information contained within this Safety Data Sheet is believed to be accurate and have been compiled from sources believed to be reliable. It is offered for consideration, investigation and verification. It is the users responsibility to follow the guidelines as outlined within this SDS. The user assumes all risk of use, storage and handling in compliance with applicable laws and regulations.