

## SECTION 1 | IDENTIFICATION

**PRODUCT IDENTIFIER** Ceramic Tile Series 8" x 8" Field Tile - Natural Series

**COMPANY NAME** Jeffrey Court, Inc  
620 Parkridge Avenue  
Norco, CA  
(951) 340-3383

**RECOMMENDED USE** Recommended use is not specified.

## SECTION 2 | HAZARDS IDENTIFICATION

**GHS CLASSIFICATION** Carcinogenicity - Category 1A H350  
STOT SE - Category 3 H335  
STOT RE - Category 1A H372

### GHS HAZARD STATEMENTS / PICTOGRAMS



H335 Cat 3



H372 Cat 1A

H335 - May cause respiratory irritation.

H350 - May cause cancer.

H372 - Causes damage to organs through prolonged or repeated exposure (inhalation).

### PRECAUTIONARY STATEMENTS

P202 - Do not handle until all safety instructions have been understood.

P260, P261 - Do not breathe dust, vapors, mist or spray.

P264 - Wash skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

## SECTION 3 | COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	PRODUCT IDENTIFIER / CAS #	ESTIMATED %	GHS CLASS
Quartz	CAS #: 14808-60-7	0-55	STOT RE1, H372
Clays	CAS #: 1332-58-7	25-55	NOT CLASSIFIED
Feldspar	CAS #: 68476-25-5	0-55	NOT CLASSIFIED
Silica	CAS #: 7631-86-9	0-10	NOT CLASSIFIED
Talc	CAS #: 14807-96-6	0-45	NOT CLASSIFIED
Nepheline Syenite	CAS #: 37244-96-5	0-40	NOT CLASSIFIED

## SECTION 4 | FIRST AID MEASURES

<b>INHALATION</b>	<b>SYMPTOMS</b>	Irritation may occur to the respiratory tract and other mucous membranes.
	<b>FIRST AID</b>	Move to a well-ventilated fresh-air environment. Seek medical attention if difficult breathing persists.
<b>SKIN</b>	<b>SYMPTOMS</b>	Prolonged exposure to skin may cause skin irritation.
	<b>FIRST AID</b>	Remove any clothing that may be contaminated. Thoroughly wash the affected area. Seek medical attention if irritation persists.
<b>EYE CONTACT</b>	<b>SYMPTOMS</b>	May cause irritation to the eyes.
	<b>FIRST AID</b>	Carefully rinse eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
<b>INGESTION</b>	<b>SYMPTOMS</b>	Although not normal with intact tile, if ingested, rinse mouth.
	<b>FIRST AID</b>	Seek medical attention. Do not induce vomiting.

*It is recommended to have an eyewash system available at the work site.*

## SECTION 5 | FIRE FIGHTING MEASURES

<b>EXTINGUISHING EQUIPMENT</b>	Non-flammable
	Not required
<b>SPECIAL HAZARDS</b>	Ceramic tile is not flammable. No fire or explosion hazards. Product is non-reactive.
<b>SPECIAL RECOMMENDATIONS</b>	No special procedures required. No special protective equipment required. Non-combustible.

## SECTION 6 | ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Excessive dust build up should be avoided and the area should be kept clean. Protective equipment should be worn when working with the ceramic tile. PPE recommended skin protection, gloves and eye protection. When dry cutting use respiratory equipment.
<b>CLEAN UP</b>	Use vacuum with HEPA filtration. Wet mop or damp sweep .

## SECTION 7 | HANDLING & STORAGE

### SAFE HANDLING

Ceramic tile is heavy. Use caution when lifting, utilizing mechanical means or team lifting.  
Wash hands upon leaving the work area and before eating, drinking or smoking.  
Eating, drinking or smoking directly in the work area is not recommended.  
Wet cutting is strongly recommended to reduce dust.

### SAFE STORAGE

Follow any applicable regulation for storage.  
Caution should be used when storing.  
Do not over-stack. Maintain stable conditions.  
Keep away from acids.

## SECTION 8 | EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 EXPOSURE TABLE

COMPOSITION	OSHA PEL	NIOSH	ACGIH
Quartz	10 respirable / 30 total dust (mg/mg3)	.05 mg/m3	0.025 mg/m3
Clays	5 respirable / 15 total dust (mg/mg3)	Not Established	2 resp / 10 total dust (mg/mg3)
Feldspar	Not Established	Not Established	Not Established
Silica	50 Hg / m3	.05 mg/m3	0.025 mg/m3
Talc	2 respirable / 15 total dust (mg/mg3)	2 resp / 10 total dust (mg/mg3)	2 resp / 10 total dust (mg/mg3)
Nepheline Syenite	5 respirable / 15 total dust (mg/mg3)	Not Established	Not Established

### 8.2 ENGINEERING CONTROLS

Eye wash stations should be available in the work area.  
Use ventilation systems to keep the dust levels below recommended exposure levels.  
Wet cutting is recommended to control dry dust exposure and inhalation.  
Highest exposure probability is with dry cutting, cleaning and installed tile removal.  
It is recommended to follow 29 CFR 192.1153 Table 1 control and cutting methods.

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection under insufficient ventilated conditions.  
Eye protection.  
Protective clothing.  
Gloves should be worn to protect skin from dust and cuts.  
Wash hands before eating, drinking or smoking as well as at the close of the workday.

## SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid, flat, color will may vary	Freezing Point	Not applicable
Odor	Odorless	Initial Boiling Point/Range	Not applicable
Odor Threshold	Not applicable	Flash Point	Not applicable
pH	Not applicable	Evaporation Rate	Not applicable
Melting Point	> 2,200 °F (1,204 °C)	Flammability (solid, gas)	Not applicable

## SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

Explosive Limits	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Relative Density	Not applicable
Partition coefficient: N-Octanol/Water:	Not applicable

Solubility	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

## SECTION 10 | STABILITY AND REACTIVITY

### CHEMICAL STABILITY

Stable in current form.

### REACTIVITY

No hazardous reactions will occur within normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous polymerization will not occur.

### CONDITIONS TO AVOID

Avoid extreme high and low temperatures.

### INCOMPATIBLE MATERIALS

Avoid contact with acids.

### HAZARDOUS DECOMPOSITION PRODUCT

None.

## SECTION 11 | TOXICOLOGICAL INFORMATION

### ROUTES OF EXPOSURE

None for tile which is untouched or intact.  
Inhalation / Exposure to eyes or body parts from broken tile or tile which is being cut .  
and handled for installation / removal.  
Short term exposure due to inhalation may cause respiratory irritation.  
Long term exposure due to inhalation may cause damage to organs.

Acute Toxicity			
	Quartz & Clay		
		LD50 Oral Rat	>5000 mg/kg
		LD50 Dermal Rat	>5000 mg/kg
	Silica		
		LD50 Oral Rat	>5000 mg/kg
		LD50 Dermal Rat	>2000 mg/kg

### SYMPTOMS

*INHALATION* Irritation to the respiratory tract and other mucous membranes.  
*SKIN CONTACT* Prolonged exposure may cause skin irritation.  
*Eye CONTACT* Exposure may cause eye irritation.  
*CARCINOGENICITY* Crystalline silica - May cause cancer.

### CHRONIC SYMPTOMS

May cause cancer. Long term continued exposure of respirable crystalline silica above the established limits may lead to the development of silicosis, developed through acute exposure to extremely dusty environments from the generation of tile dust. Silicosis is a disease that belongs to a group of lung disorders called pneumoconioses. Silicosis is marked by the formation of lumps (nodules) and fibrous scar tissue in the lungs.

## SECTION 12 | ECOLOGICAL INFORMATION

NON-MANDATORY

## SECTION 13 | DISPOSAL CONSIDERATION

NON-MANDATORY

## SECTION 14 | TRANSPORTATION INFORMATION

NON-MANDATORY

## SECTION 15 | REGULATORY INFORMATION

NON-MANDATORY

## SECTION 15 | REGULATORY INFORMATION

REVISION DATE      6/20/19

OTHER INFORMATION      This document prepared from OSHA HCS 29 CFR 1910.1200(g)

This document is created and based on current knowledge. It is to be used for the purposes of health, safety and environmental requirements only and as such is not guaranteeing any specific product property.

## SECTION 1 | CHEMICAL PRODUCT AND COMPANY INFORMATION

**PRODUCT IDENTIFIER** Porcelain Tile - Hexagon Ascend Series  
**COMPANY NAME** Jeffrey Court, Inc - 620 Parkridge Avenue Norco, CA (951) 340-3383

## SECTION 2 | COMPOSITION, INFORMATION OR INGREDIENTS

None per OSHA Standard 29 CFR 1910.1200 & SARA Title III, Section 313 (See Section 3 for additional information)

## SECTION 3 | HAZARDS IDENTIFICATION

FT Hexagon Ascend is produced for residential and commercial use and come in a wide variety of designs and colors. Is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200(c). They are formed to a specific shape and design during manufacture, have end use application dependent on their shape and design, and do not release any hazardous chemicals under normal conditions of use and when used according to manufacturer's specifications.

## SECTION 4 | FIRST AID MEASURES

<b>PRIMARY ROUTES OF ENTRY:</b>	N/A	<b>SKIN CONTACT:</b>	N/A
<b>TARGET ORGANS:</b>	N/A	<b>INHALATION:</b>	N/A
<b>EFFECTS OF OVEREXPOSURE:</b>	N/A	<b>INGESTION:</b>	N/A
<b>EYE CONTACT:</b>	Possible irritation – Flush with water		

## SECTION 5 | FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	N/A	<b>AUTO IGNITION TEMP.:</b>	N/A
<b>LOWER EXPLOSIVE LIMIT (LEL):</b>	N/A	<b>UPPER EXPLOSIVE LIMIT (UEL):</b>	N/A
<b>BOILING POINT:</b>	N/A	<b>MELTING POINT:</b>	N/A
<b>UNUSUAL FIRE/EXPLOSION HAZARDS:</b>	None	<b>EXTINGUISHING MEDIA:</b>	N/A
<b>SPECIAL FIRE FIGHTING PROCEDURE:</b>	Self contained breathing apparatus.		Water

Material is considered to be self extinguishing.

## SECTION 6 | ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS:</b>	None	<b>IF RELEASED OR SPILLED:</b>	N/A
<b>METHODS FOR CLEAN-UP:</b>	Vacuuming recommended	<b>WASTE DISPOSAL METHOD:</b>	Section 13

## SECTION 7 | HANDLING AND STORAGE

No special handling and storage procedures required. Best if stored at room temperature. Review the FT Hexagon Ascend Installation Guide for additional information.

## SECTION 8 | EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: Not required if manufacturer's installation and maintenance instructions are followed. Warning: Follow installation and maintenance instructions to avoid excessive dust. It is recommended to use caution if removing or disturbing existing flooring materials prior to the installation of this product since, unlike this product, they may contain asbestos fibers.

# SAFETY DATA SHEET

## SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Solid flooring tile	<b>PHYSICAL STATE:</b>	Solid flooring tile
<b>SPECIFIC GRAVITY:</b>	N/A	<b>VAPOR PRESSURE:</b>	N/A
<b>SOLUBILITY IN WATER:</b>	N/A	<b>VAPOR DENSITY:</b>	N/A

## SECTION 10 | STABILITY AND REACTIVITY

<b>STABILITY:</b>	N/A	<b>INCOMPATIBILITY:</b>	N/A
<b>HAZARDOUS DECOMPOSITION:</b>	N/A	<b>HAZARDOUS REACTIONS:</b>	N/A
<b>HAZARDOUS POLYMERIZATION:</b>	N/A	<b>CONDITIONS TO AVOID:</b>	N/A

## SECTION 11 | TOXICOLOGICAL INFORMATION

<b>ACUTE EFFECTS:</b>	N/A	<b>CHRONIC EFFECTS:</b>	N/A
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Industrial hygiene testing has determined that Bestile FT Hexagon Ascend presents no exposure health risk when product is installed and maintained as specified by the manufacturer.

## SECTION 12 | ECOLOGICAL INFORMATION

<b>ENVIRONMENTAL FATE:</b>	Not Determined	<b>ENVIRONMENTAL TOXICITY:</b>	Not Determined
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## SECTION 13 | DISPOSAL CONSIDERATIONS

Dispose of as a non-hazardous solid in accordance with all federal, state and local requirements.

## SECTION 14 | TRANSPORT INFORMATION

<b>DOT HAZARD CLASS:</b>	Not Regulated	<b>DOT UN NO:</b>	N/A
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## SECTION 15 | REGULATORY INFORMATION

*All ingredients of these products are included in the U.S. EPA's TSCA inventory or are exempt from TSCA inventory requirements.*

<b>CERCLA SECTIONS 102A/103 HAZARDOUS SUBSTANCES (40CFR302.4):</b>	N/A
<b>SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40CFR355.30):</b>	Not Regulated
<b>SARA TITLE III SECTION 313 (40CFR372.65):</b>	Not Regulated
<b>OSHA PROCESS SAFETY (29CFR1910.1119):</b>	Not Regulated
<b>SARA TITLE III SECTIONS 311/312 HAZARDOUS CATEGORIES (40CFR370.21):</b>	<b>ACUTE:</b> No
Government regulations govern the removal of asbestos-containing materials. If you contemplate the removal of existing floor covering (prior to the installation of these non-asbestos containing products) that contain or are assumed to contain asbestos you should determine whether such regulations apply.	<b>CHRONIC:</b> No
	<b>FIRE:</b> No
	<b>REACTIVE:</b> No

## SECTION 16 | OTHER INFORMATION

**HMIS SEVERITY RATING INDEX:** (0 = minimal hazard; 4 = severe hazard)



**DISCLAIMER:** To the best of our knowledge the information contained herein is accurate. However, neither the company nor its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Because conditions of use are beyond to Bestile S.L. the company makes no representations, guarantees or warranties, either expressed or implied warranties as to the fitness of the product for use, and assumes no liability related to the information contained above. Bestile S.L. requires, as a condition of use of its products, that purchasers comply with all applicable Federal, State, and Local health and safety laws, regulations, orders, requirements, and strictly adhere to all instructions and warnings which accompany the products.

## SECTION 1 | IDENTIFICATION

**PRODUCT IDENTIFIER** Ceramic Tile - 8" x 48" Field - Calming and Serene Series

**COMPANY NAME** Jeffrey Court, Inc  
620 Parkridge Avenue  
Norco, CA  
(951) 340-3383

**RECOMMENDED USE** Recommended use is not specified.

## SECTION 2 | HAZARDS IDENTIFICATION

**GHS CLASSIFICATION** Carcinogenicity - Category 1A H350  
STOT SE - Category 3 H335  
STOT RE - Category 1A H372

### GHS HAZARD STATEMENTS / PICTOGRAMS



H335 Cat 3



H372 Cat 1A

H335 - May cause respiratory irritation.

H350 - May cause cancer.

H372 - Causes damage to organs through prolonged or repeated exposure (inhalation).

### PRECAUTIONARY STATEMENTS

P202 - Do not handle until all safety instructions have been understood.

P260, P261 - Do not breathe dust, vapors, mist or spray.

P264 - Wash skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

## SECTION 3 | COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	PRODUCT IDENTIFIER / CAS #	ESTIMATED %	GHS CLASS
Quartz	CAS #: 14808-60-7	0-55	STOT RE1, H372
Clays	CAS #: 1332-58-7	25-55	NOT CLASSIFIED
Feldspar	CAS #: 68476-25-5	0-55	NOT CLASSIFIED
Silica	CAS #: 7631-86-9	0-10	NOT CLASSIFIED
Talc	CAS #: 14807-96-6	0-45	NOT CLASSIFIED
Nepheline Syenite	CAS #: 37244-96-5	0-40	NOT CLASSIFIED

## SECTION 4 | FIRST AID MEASURES

<b>INHALATION</b>	<b>SYMPTOMS</b>	Irritation may occur to the respiratory tract and other mucous membranes.
	<b>FIRST AID</b>	Move to a well-ventilated fresh-air environment. Seek medical attention if difficult breathing persists.
<b>SKIN</b>	<b>SYMPTOMS</b>	Prolonged exposure to skin may cause skin irritation.
	<b>FIRST AID</b>	Remove any clothing that may be contaminated. Thoroughly wash the affected area. Seek medical attention if irritation persists.
<b>EYE CONTACT</b>	<b>SYMPTOMS</b>	May cause irritation to the eyes.
	<b>FIRST AID</b>	Carefully rinse eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
<b>INGESTION</b>	<b>SYMPTOMS</b>	Although not normal with intact tile, if ingested, rinse mouth.
	<b>FIRST AID</b>	Seek medical attention. Do not induce vomiting.

*It is recommended to have an eyewash system available at the work site.*

## SECTION 5 | FIRE FIGHTING MEASURES

<b>EXTINGUISHING EQUIPMENT</b>	Non-flammable
	Not required
<b>SPECIAL HAZARDS</b>	Ceramic tile is not flammable. No fire or explosion hazards. Product is non-reactive.
<b>SPECIAL RECOMMENDATIONS</b>	No special procedures required. No special protective equipment required. Non-combustible.

## SECTION 6 | ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Excessive dust build up should be avoided and the area should be kept clean. Protective equipment should be worn when working with the ceramic tile. PPE recommended skin protection, gloves and eye protection. When dry cutting use respiratory equipment.
<b>CLEAN UP</b>	Use vacuum with HEPA filtration. Wet mop or damp sweep .

## SECTION 7 | HANDLING & STORAGE

### SAFE HANDLING

Ceramic tile is heavy. Use caution when lifting, utilizing mechanical means or team lifting. Wash hands upon leaving the work area and before eating, drinking or smoking. Eating, drinking or smoking directly in the work area is not recommended. Wet cutting is strongly recommended to reduce dust.

### SAFE STORAGE

Follow any applicable regulation for storage. Caution should be used when storing. Do not over-stack. Maintain stable conditions. Keep away from acids.

## SECTION 8 | EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 EXPOSURE TABLE

COMPOSITION	OSHA PEL	NIOSH	ACGIH
Quartz	10 respirable / 30 total dust (mg/mg3)	.05 mg/m3	0.025 mg/m3
Clays	5 respirable / 15 total dust (mg/mg3)	Not Established	2 resp / 10 total dust (mg/mg3)
Feldspar	Not Established	Not Established	Not Established
Silica	50 Hg / m3	.05 mg/m3	0.025 mg/m3
Talc	2 respirable / 15 total dust (mg/mg3)	2 resp / 10 total dust (mg/mg3)	2 resp / 10 total dust (mg/mg3)
Nepheline Syenite	5 respirable / 15 total dust (mg/mg3)	Not Established	Not Established

### 8.2 ENGINEERING CONTROLS

Eye wash stations should be available in the work area. Use ventilation systems to keep the dust levels below recommended exposure levels. Wet cutting is recommended to control dry dust exposure and inhalation. Highest exposure probability is with dry cutting, cleaning and installed tile removal. It is recommended to follow 29 CFR 192.1153 Table 1 control and cutting methods.

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection under insufficient ventilated conditions. Eye protection. Protective clothing. Gloves should be worn to protect skin from dust and cuts. Wash hands before eating, drinking or smoking as well as at the close of the workday.

## SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid, flat, color will may vary	Freezing Point	Not applicable
Odor	Odorless	Initial Boiling Point/Range	Not applicable
Odor Threshold	Not applicable	Flash Point	Not applicable
pH	Not applicable	Evaporation Rate	Not applicable
Melting Point	> 2,200 °F (1,204 °C)	Flammability (solid, gas)	Not applicable

## SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

Explosive Limits	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Relative Density	Not applicable
Partition coefficient: N-Octanol/Water:	Not applicable

Solubility	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

## SECTION 10 | STABILITY AND REACTIVITY

### CHEMICAL STABILITY

Stable in current form.

### REACTIVITY

No hazardous reactions will occur within normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous polymerization will not occur.

### CONDITIONS TO AVOID

Avoid extreme high and low temperatures.

### INCOMPATIBLE MATERIALS

Avoid contact with acids.

### HAZARDOUS DECOMPOSITION PRODUCT

None.

## SECTION 11 | TOXICOLOGICAL INFORMATION

### ROUTES OF EXPOSURE

None for tile which is untouched or intact.  
Inhalation / Exposure to eyes or body parts from broken tile or tile which is being cut .  
and handled for installation / removal.  
Short term exposure due to inhalation may cause respiratory irritation.  
Long term exposure due to inhalation may cause damage to organs.

Acute Toxicity			
	<b>Quartz &amp; Clay</b>		
		LD50 Oral Rat	>5000 mg/kg
		LD50 Dermal Rat	>5000 mg/kg
	<b>Silica</b>		
		LD50 Oral Rat	>5000 mg/kg
		LD50 Dermal Rat	>2000 mg/kg

### SYMPTOMS

*INHALATION* Irritation to the respiratory tract and other mucous membranes.  
*SKIN CONTACT* Prolonged exposure may cause skin irritation.  
*Eye CONTACT* Exposure may cause eye irritation.  
*CARCINOGENICITY* Crystalline silica - May cause cancer.

### CHRONIC SYMPTOMS

May cause cancer. Long term continued exposure of respirable crystalline silica above the established limits may lead to the development of silicosis, developed through acute exposure to extremely dusty environments from the generation of tile dust. Silicosis is a disease that belongs to a group of lung disorders called pneumoconioses. Silicosis is marked by the formation of lumps (nodules) and fibrous scar tissue in the lungs.

## SECTION 12 | ECOLOGICAL INFORMATION

NON-MANDATORY

## SECTION 13 | DISPOSAL CONSIDERATION

NON-MANDATORY

## SECTION 14 | TRANSPORTATION INFORMATION

NON-MANDATORY

## SECTION 15 | REGULATORY INFORMATION

NON-MANDATORY

## SECTION 15 | REGULATORY INFORMATION

REVISION DATE      6/20/19

OTHER INFORMATION      This document prepared from OSHA HCS 29 CFR 1910.1200(g)

This document is created and based on current knowledge. It is to be used for the purposes of health, safety and environmental requirements only and as such is not guaranteeing any specific product property.

## 1 | PRODUCT IDENTIFICATION

**PRODUCT IDENTIFIER** Ceramic Tile Solid Series - 12" x 35" Field Tile - Evolve Series

**COMPANY NAME** Jeffrey Court, Inc  
620 Parkridge Avenue  
Norco, CA  
(951) 340-3383

**RECOMMENDED USE** Building material - Tile products manufactured by Jeffrey Court are environmentally preferable building materials when compared to other floor / wall coverings. As defined by guidelines issued by the Environmental Protection Agency, the American Society for Testing & Materials and the Federal Trade Commission, tile is one of the most environmentally friendly building materials you can buy today.

## 2 | HAZARDS IDENTIFICATION

Tile products are mixtures of predominantly clays, silica sand and other natural occurring minerals that have been misted with water and fired in a high temperature kiln. The finished, fired tiles are odorless, stable, non-flammable, and pose no immediate hazard to health. Respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting tiles during installation or if just is produced by any other operations, including demolition / removal projects.

Emergency Overview: Danger! Lung injury and Cancer Hazard

GHS Classification (Global Harmonized Standard Classification):

Carcinogenicity Category 1A (H350)

Specific target organ toxicity, single exposure; Respiratory tract irritation - Category 3 (H335)

Specific target organ toxicity, repeated exposure - Category 1A (H372)

GHS Label, Hazards and Precautionary Statements

GHS Pictogram:

Crystalline Silica:



Category 3 (Respiratory tract irritation) (H335)

Label Signal Word: Danger

Category 1A (Carcinogenicity) (H372)

## 2 | HAZARDS IDENTIFICATION (CONT)

<b>HAZARD STATEMENTS</b>	(H350) May cause CANCER (inhalation) (H335) May cause respiratory irritation (H372) Cause damage to organs (lungs/respiratory) through prolonged or repeated exposure (inhalation)
<b>PRECAUTIONARY STATEMENTS</b>	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)
<b>POTENTIAL HEALTH EFFECTS</b>	Inhalation: Do not breathe dust. See "Health Hazards" in Section 11 for more details.

## 3 | COMPOSITION / INFORMATION ON INGREDIENTS

Tile products are mixtures of predominately Clays, Silica Sand and other naturally-occurring minerals, that have been mixed with water and fired in a high temperature kiln.

Tiles are manufactured in various shapes, sizes and colors.

These products do not contain asbestos.

Under normal conditions these products do not release hazardous materials after installation and are not considered hazardous waste should disposal be necessary.

Composition	CAS# / EINECS#	Estimated % by Wt.	EU Class
Crystalline silica as quartz	CAS: 14808-60-7 EINECS: 238-878-4	0-30	(67/548/EEC) Xn R48/20
Clays	CAS: 1332-58-7 EINECS: 265-064-6	20-55	(67/548/EEC) Xi R36/37/38
Nepheline syenite	CAS: 37244-96-5 EINECS: N/A	0-50	(67/548/EEC) Xi R36/37/38
Talc	CAS: 14807-96-6 EINECS: 238-877-9	0-40	(67/548/EEC) Xi R36/37/38
Feldspar	CAS: 68476-25-5 EINECS: 270-666-7	0-15	(67/548/EEC) Xi R36/37/38
Biotite	CAS: 12001-26-2 EINECS: 215-479-3	0-5	(67/548/EEC) Xi R36/37/38

## 4 | FIRST AID MEASURES

<b>EYES</b>	Immediately flush eyes with large amounts of water for at least 15 minutes if dust gets in eyes. Get medical attention if irritation persists.
<b>SKIN</b>	Wash thoroughly after working with tiles.
<b>INHALATION</b>	Move to fresh air if exposed to large amounts of tile dust. Administer artificial respiration if breathing has stopped. Keep victim at rest. Call for prompt medical attention.
<b>INGESTION</b>	Not applicable for intact tiles.

Have emergency eyewash station available in area where tiles are cut.

## 5 | FIRE-FIGHTING MEASURES AND INFORMATION

<b>FLASH POINT (METHOD USED):</b>	Not Applicable
<b>AUTOIGNITION TEMPERATURE:</b>	Not Applicable
<b>FLAMMABLE LIMITS (% BY VOLUME IN AIR)</b>	LEL - Not Applicable UEL - Not Applicable
<b>FIRE EXTINGUISHING MEDIA</b>	None Required Non-flammable
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	None Required
<b>FIRE AND EXPLOSION HAZARDS</b>	None

## 6 | ACCIDENTAL RELEASE MEASURES

Avoid creating excessive dust. Clean up dust with a vacuum system with a high-efficiency particulate (HEPA) air filter vacuum or damp sweeping. See section 8 of this SDS concerning PPE information for clean-up.

## 7 | HANDLING AND STORAGE

When cutting, grinding or removing, use equipment with integral dust collection and/or use local exhaust ventilation. Use wet cutting methods to reduce generation of dust. Use respiratory protection in the absence of effective engineering controls. Do not store near acids. If tiles contact some acids, damage / discoloration to the surface may occur. Shelf life unlimited.

## 8 | EXPOSURE CONTROLS / PERSONAL PROTECTION

Composition	OSHA PEL	NIOSH IDLH	ACGIH TLV*	Units
Crystalline silica as quartz	10	0.05	0.025	mg/m <sup>3</sup>
-respirable fraction	%SiO <sub>2</sub> +2			
-total dust	30	N.E.	N.E.	mg/m <sup>3</sup>
	%SiO <sub>2</sub> +2			
Clays				
-respirable fraction	5	N.E.	2	mg/m <sup>3</sup>
-total dust**	15	N.E.	10	mg/m <sup>3</sup>
Nepheline syenite				
-respirable fraction**	5	N.E.	N.E.	mg/m <sup>3</sup>
-total dust**	15	N.E.	N.E.	mg/m <sup>3</sup>
Talc				
-respirable fraction	2	2	2	mg/m <sup>3</sup>
-total dust**	15	10	10	mg/m <sup>3</sup>
Feldspar				
-respirable fraction	N.E.	N.E.	N.E.	mg/m <sup>3</sup>
-total dust**	15	N.E.	N.E.	mg/m <sup>3</sup>
Biotite				
-respirable fraction**	5	15	3	mg/m <sup>3</sup>
-total dust**	15	N.E.	N.E.	mg/m <sup>3</sup>

\* 2006 Edition, respirable fraction to be determined as per Appendix D of ACGIH TLV.

\*\* Covered as particles not otherwise regulated per OSHA and particles not otherwise classified per ACGIH.

N.D. - Not determined

N.E. - Not established

### 8.2 EXPOSURE CONTROL / PERSONAL PROTECTION

#### VENTILATION

Use adequate ventilation to keep exposure to dust below recommended exposure levels. Avoid inhalation of dust. The highest probability of silica exposure occurs during installation using dry cutting methods or during removal of installed tile. Wet cutting methods are recommended.

#### RESPIRATORY PROTECTION

Use of a properly fitted NIOSH/MSHA approved particulate respirator is recommended when cutting tiles for installation or during the removal of installed tile.

#### EYE PROTECTION

Use dust-proof goggles or safety glasses with side shields. Contact lenses may absorb irritants. Do not wear contacts lenses in work areas.

## SKIN PROTECTION

Cotton or leather work gloves should be worn when cutting this product to minimize skin exposure to dust and / or cuts. Wash hands prior to eating, drinking or smoking and at the end of the work shift, after cutting operations are conducted.

NOTE: Personal protection information in Section 8 is based on general information for normal uses and conditions. When special or unusual uses or conditions exist, it is suggested that the assistance of an industrial hygienist or other qualified professional be obtained.

## 9 | PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brittle solid; color may vary
Odor:	Odorless
Melting Point:	Not Available (>2200 °F)
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density (Air = 1):	Not applicable
Solubility in Water:	Insoluble
Specific Gravity (H <sub>2</sub> O = 1):	1.6 to 2.1
Percent Volatile by Volume:	Not applicable
Evaporation Rate (Ethyl Ether = 1):	Not applicable
Viscosity:	Not applicable
Volatility:	0 g/L Volatile Organic Compounds (VOCs)

## 10 | STABILITY AND REACTIVITY

Stability:	Stable in current form.
Conditions to Avoid:	Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)
Incompatibility (Materials to Avoid):	Avoid contact with acids (e.g., acetic, hydrofluoric, etc.)
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	None.

## 11 | TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

#### PRIMARY ROUTES OF EXPOSURE

None for intact tile. Inhalation and potential exposure to eyes, hands or other body parts if contact is made with broken tile and or during procedures involving the cutting of tiles and or for operations involving the removal of installed tiles.

## ACUTE EFFECTS

No acute effects from exposure to intact tile are known. 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 installed tile. In very rare cases, symptoms of acute silicosis, a form of silicosis (a nodular pulmonary fibrosis) associated with exposure to respirable crystalline silica, may develop following acute exposure to extremely dusty environments caused by the generation of tile dust. Signs such as labored breathing and early fatigue may indicate silicosis; however, these same symptoms can arise from many other causes.

## CHRONIC EFFECTS

No chronic effects are known for exposure to intact tile. Long-term, continual exposure to respirable crystalline silica at or above established permissible occupational exposure limits may lead to the development of silicosis, a nodular pulmonary fibrosis (NPF). NPFs are also associated with pulmonary tuberculosis, bronchitis, emphysema, and other airway diseases. This type of chronic exposure to silica dust may also result in the development of autoimmune disorders, chronic renal disease, and other adverse health effects. Recent epidemiological studies demonstrate that workers exposed to elevated silica concentrations have a significant risk of developing chronic silicosis. Signs such as labored breathing and early fatigue may indicate silicosis; however, these same symptoms can also arise from many other causes.

## POTENTIAL ADVERSE INTERACTIONS

Silicosis may be complicated by severe mycobacterial or fungal infections and result in tuberculosis (TB). Epidemiological studies have established that silicosis is a risk factor for developing TB. Any existing respiratory or pulmonary diseases may be complicated by exposure to respirable crystalline silica. Smoking may increase the risk of adverse effects if done in conjunction with occupational exposure to silica dust at or above permissible exposure limits.

## CARCINOGEN STATUS

Respirable crystalline silica is classified by the International Agency for Research on Cancer (IARC) as a Group I 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.

## OVERVIEW OF ANIMAL TESTING

Short term experimental studies of rats have found that intra tracheal instillation of quartz particles leads to the formation of discrete silicotic nodules in rats, mice and hamsters.

Oral (silica) Lethality

LD50 Rat Oral > 22,500 mg/kg

LD50 Mouse oral > 15,000 mg/kg

## 12 | ECOLOGICAL INFORMATION

All our productions are composed by a minimum of **35%** of recycled content.

## 13 | DISPOSAL CONSIDERATIONS

Waste should be disposed of in a landfill certified to accept such materials in accordance with country regulations.

## 14 | TRANSPORTATION INFORMATION

D.O.T. Shipping name:	Not applicable
Hazard Class:	Non-regulated <i>(for disposal purposes material is non-hazardous Class III regulated material)</i>
ID Number:	Not applicable
Marking:	Not applicable
Label:	None
Placard:	None
Hazardous Substance/RQ:	Not applicable
Shipping Description:	Porcelain/Ceramic Tiles
Packaging References:	None

## 15 | REGULATORY INFORMATION

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 <i>(Sections 3&amp;11)</i>	<input type="checkbox"/> Unstable
<input type="checkbox"/> Flammable Liquid	<input type="checkbox"/> Organiz 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.

## 16 | REGULATORY INFORMATION

Global Harmonization Identification System GHIS:	Health: 3	Fire: 4	Reactivity: 0
Hazardous Material Identification System HMIS:	Health: 1	Fire: 0	Reactivity: 0
National Fire Protection Association NFPA:	Health: 1	Fire: 0	Reactivity: 0

## SECTION 1 | CHEMICAL PRODUCT AND COMPANY INFORMATION

**PRODUCT IDENTIFIER** 2.5" x 10" Field and Picket Ceramic Mosaics  
**COMPANY NAME** Jeffrey Court, Inc - 620 Parkridge Avenue Norco, CA (951) 340-3383

## SECTION 2 | COMPOSITION, INFORMATION OR INGREDIENTS

None per OSHA Standard 29 CFR 1910.1200 & SARA Title III, Section 313 (See Section 3 for additional information)

## SECTION 3 | HAZARDS IDENTIFICATION

Jeffrey Court products are produced for residential and commercial wall use and come in a wide variety of sizes and designs and colors. All of the products are classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200(c). They are formed to a specific shape and design during manufacture, have end use application dependent on their colors and design and finished, and do not release any hazardous chemicals under normal conditions of use and when used according to manufacturer's specifications.

## SECTION 4 | FIRST AID MEASURES

<b>PRIMARY ROUTES OF ENTRY:</b>	N/A	<b>SKIN CONTACT:</b>	N/A
<b>TARGET ORGANS:</b>	N/A	<b>INHALATION:</b>	N/A
<b>EFFECTS OF OVEREXPOSURE:</b>	N/A	<b>INGESTION:</b>	N/A
<b>EYE CONTACT:</b>	Possible irritation – Flush with water		

## SECTION 5 | FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	N/A	<b>AUTO IGNITION TEMP.:</b>	N/A
<b>LOWER EXPLOSIVE LIMIT (LEL):</b>	N/A	<b>UPPER EXPLOSIVE LIMIT (UEL):</b>	N/A
<b>BOILING POINT:</b>	N/A	<b>MELTING POINT:</b>	N/A
<b>UNUSUAL FIRE/EXPLOSION HAZARDS:</b>	None	<b>EXTINGUISHING MEDIA:</b>	Water
<b>SPECIAL FIRE FIGHTING PROCEDURE:</b>	Self contained breathing apparatus.		

Material is considered to be self extinguishing.

## SECTION 6 | ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS:</b>	None	<b>IF RELEASED OR SPILLED:</b>	N/A
<b>METHODS FOR CLEAN-UP:</b>	Vacuuming recommended	<b>WASTE DISPOSAL METHOD:</b>	See Section 13

## SECTION 7 | HANDLING AND STORAGE

Storing inside a rain-proof & dampproof space to keep products and packing dry as it's in Ceramic quality with water absorption around 13%~17%

## SECTION 8 | EXPOSURE CONTROLS & PERSONAL PROTECTION

**Respiratory Protection:** Not required if manufacturer's installation and maintenance instructions are followed.  
Warning: Follow installation and maintenance instructions to avoid excessive dust. It is recommended to use caution if removing or disturbing existing wall materials prior to the installation of this product since, unlike this product, they may contain asbestos fibers.

## SECTION 9 | CHEMICAL PRODUCT AND COMPANY INFORMATION

<b>APPEARANCE:</b>	Glazed Tile	<b>PHYSICAL STATE:</b>	Glazed Tile
<b>SPECIFIC GRAVITY:</b>	N/A	<b>VAPOR PRESSURE:</b>	N/A
<b>SOLUBILITY IN WATER:</b>	N/A	<b>VAPOR DENSITY:</b>	N/A

## SECTION 10 | COMPOSITION, INFORMATION OR INGREDIENTS

<b>STABILITY:</b>	N/A	<b>INCOMPATIBILITY:</b>	N/A
<b>HAZARDOUS DECOMPOSITION:</b>	N/A	<b>HAZARDOUS REACTIONS:</b>	N/A
<b>HAZARDOUS POLYMERIZATION:</b>	N/A	<b>CONDITIONS TO AVOID:</b>	N/A

## SECTION 11 | HAZARDS IDENTIFICATION

**Acute Effects:** N/A

**Chronic Effects:** N/A

Industrial hygiene testing has determined that Studio Arte Co., Ltd presents no exposure health risk when product is installed and maintained as specified by the manufacturer.

## SECTION 12 | FIRST AID MEASURES

**ENVIRONMENTAL FATE:** Not Determined

**ENVIRONMENTAL TOXICITY:** Not Determined

## SECTION 13 | FIRE FIGHTING MEASURES

Dispose of as a non-hazardous solid in accordance with all federal, state and local requirements.

## SECTION 14 | ACCIDENTAL RELEASE MEASURES

**DOT HAZARD CLASS:** Not Regulated

**DOT UN NO:** N/A

## SECTION 15 | HANDLING AND STORAGE

**ALL INGREDIENTS OF THESE PRODUCTS ARE INCLUDED IN THE U.S. EPA'S TSCA INVENTORY OR ARE EXEMPT FROM TSCA INVENTORY REQUIREMENTS.**

CERCLA Sections 102a/103 Hazardous Substances (40CFR302.4):

SARA Title III Section 302 Extremely Hazardous Substances (40CFR355.30):

SARA Title III Section 313 (40CFR372.65):

OSHA Process Safety (29CFR1910.1119):

SARA Title III Sections 311/312 Hazardous Categories (40CFR370.21):

N/A

Not Regulated

Not Regulated

Not Regulated

Acute: No

## SECTION 16 | EXPOSURE CONTROLS & PERSONAL PROTECTION

**HMIS Severity Rating Index:**

(0 = minimal hazard; 4 = severe hazard)



### DISCLAIMER

To the best of our knowledge the information contained herein is accurate. However, neither the company nor its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Because conditions of use are beyond Jeffrey Court's control, the company makes no representations, guarantees or warranties, either expressed or implied warranties as to the fitness of the product for use, and assumes no liability related to the information contained above. Jeffrey Court requires, as a condition of use of its products, that purchasers comply with all applicable Federal, State, and Local health and safety laws, regulations, orders, requirements, and strictly adhere to all instructions and warnings which accompany the products.

## SECTION 1 | IDENTIFICATION

**PRODUCT IDENTIFIER** Ceramic Tile Series 8" x 8" Field Tile - Natural Series

**COMPANY NAME** Jeffrey Court, Inc  
620 Parkridge Avenue  
Norco, CA  
(951) 340-3383

**RECOMMENDED USE** Recommended use is not specified.

## SECTION 2 | HAZARDS IDENTIFICATION

**GHS CLASSIFICATION** Carcinogenicity - Category 1A H350  
STOT SE - Category 3 H335  
STOT RE - Category 1A H372

### GHS HAZARD STATEMENTS / PICTOGRAMS



H335 Cat 3



H372 Cat 1A

H335 - May cause respiratory irritation.

H350 - May cause cancer.

H372 - Causes damage to organs through prolonged or repeated exposure (inhalation).

### PRECAUTIONARY STATEMENTS

P202 - Do not handle until all safety instructions have been understood.

P260, P261 - Do not breathe dust, vapors, mist or spray.

P264 - Wash skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

## SECTION 3 | COMPOSITION / INFORMATION ON INGREDIENTS

COMPOSITION	PRODUCT IDENTIFIER / CAS #	ESTIMATED %	GHS CLASS
Quartz	CAS #: 14808-60-7	0-55	STOT RE1, H372
Clays	CAS #: 1332-58-7	25-55	NOT CLASSIFIED
Feldspar	CAS #: 68476-25-5	0-55	NOT CLASSIFIED
Silica	CAS #: 7631-86-9	0-10	NOT CLASSIFIED
Talc	CAS #: 14807-96-6	0-45	NOT CLASSIFIED
Nepheline Syenite	CAS #: 37244-96-5	0-40	NOT CLASSIFIED

## SECTION 4 | FIRST AID MEASURES

<b>INHALATION</b>	<b>SYMPTOMS</b>	Irritation may occur to the respiratory tract and other mucous membranes.
	<b>FIRST AID</b>	Move to a well-ventilated fresh-air environment. Seek medical attention if difficult breathing persists.
<b>SKIN</b>	<b>SYMPTOMS</b>	Prolonged exposure to skin may cause skin irritation.
	<b>FIRST AID</b>	Remove any clothing that may be contaminated. Thoroughly wash the affected area. Seek medical attention if irritation persists.
<b>EYE CONTACT</b>	<b>SYMPTOMS</b>	May cause irritation to the eyes.
	<b>FIRST AID</b>	Carefully rinse eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
<b>INGESTION</b>	<b>SYMPTOMS</b>	Although not normal with intact tile, if ingested, rinse mouth.
	<b>FIRST AID</b>	Seek medical attention. Do not induce vomiting.

*It is recommended to have an eyewash system available at the work site.*

## SECTION 5 | FIRE FIGHTING MEASURES

<b>EXTINGUISHING EQUIPMENT</b>	Non-flammable
	Not required
<b>SPECIAL HAZARDS</b>	Ceramic tile is not flammable. No fire or explosion hazards. Product is non-reactive.
<b>SPECIAL RECOMMENDATIONS</b>	No special procedures required. No special protective equipment required. Non-combustible.

## SECTION 6 | ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS</b>	Excessive dust build up should be avoided and the area should be kept clean. Protective equipment should be worn when working with the ceramic tile. PPE recommended skin protection, gloves and eye protection. When dry cutting use respiratory equipment.
<b>CLEAN UP</b>	Use vacuum with HEPA filtration. Wet mop or damp sweep .

## SECTION 7 | HANDLING & STORAGE

### SAFE HANDLING

Ceramic tile is heavy. Use caution when lifting, utilizing mechanical means or team lifting.  
Wash hands upon leaving the work area and before eating, drinking or smoking.  
Eating, drinking or smoking directly in the work area is not recommended.  
Wet cutting is strongly recommended to reduce dust.

### SAFE STORAGE

Follow any applicable regulation for storage.  
Caution should be used when storing.  
Do not over-stack. Maintain stable conditions.  
Keep away from acids.

## SECTION 8 | EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 EXPOSURE TABLE

COMPOSITION	OSHA PEL	NIOSH	ACGIH
Quartz	10 respirable / 30 total dust (mg/mg3)	.05 mg/m3	0.025 mg/m3
Clays	5 respirable / 15 total dust (mg/mg3)	Not Established	2 resp / 10 total dust (mg/mg3)
Feldspar	Not Established	Not Established	Not Established
Silica	50 Hg / m3	.05 mg/m3	0.025 mg/m3
Talc	2 respirable / 15 total dust (mg/mg3)	2 resp / 10 total dust (mg/mg3)	2 resp / 10 total dust (mg/mg3)
Nepheline Syenite	5 respirable / 15 total dust (mg/mg3)	Not Established	Not Established

### 8.2 ENGINEERING CONTROLS

Eye wash stations should be available in the work area.  
Use ventilation systems to keep the dust levels below recommended exposure levels.  
Wet cutting is recommended to control dry dust exposure and inhalation.  
Highest exposure probability is with dry cutting, cleaning and installed tile removal.  
It is recommended to follow 29 CFR 192.1153 Table 1 control and cutting methods.

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection under insufficient ventilated conditions.  
Eye protection.  
Protective clothing.  
Gloves should be worn to protect skin from dust and cuts.  
Wash hands before eating, drinking or smoking as well as at the close of the workday.

## SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid, flat, color will may vary	Freezing Point	Not applicable
Odor	Odorless	Initial Boiling Point/Range	Not applicable
Odor Threshold	Not applicable	Flash Point	Not applicable
pH	Not applicable	Evaporation Rate	Not applicable
Melting Point	> 2,200 °F (1,204 °C)	Flammability (solid, gas)	Not applicable

## SECTION 9 | PHYSICAL AND CHEMICAL PROPERTIES

Explosive Limits	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Relative Density	Not applicable
Partition coefficient: N-Octanol/Water:	Not applicable

Solubility	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

## SECTION 10 | STABILITY AND REACTIVITY

### CHEMICAL STABILITY

Stable in current form.

### REACTIVITY

No hazardous reactions will occur within normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous polymerization will not occur.

### CONDITIONS TO AVOID

Avoid extreme high and low temperatures.

### INCOMPATIBLE MATERIALS

Avoid contact with acids.

### HAZARDOUS DECOMPOSITION PRODUCT

None.

## SECTION 11 | TOXICOLOGICAL INFORMATION

### ROUTES OF EXPOSURE

None for tile which is untouched or intact.  
Inhalation / Exposure to eyes or body parts from broken tile or tile which is being cut .  
and handled for installation / removal.  
Short term exposure due to inhalation may cause respiratory irritation.  
Long term exposure due to inhalation may cause damage to organs.

Acute Toxicity			
	<b>Quartz &amp; Clay</b>		
		LD50 Oral Rat	>5000 mg/kg
		LD50 Dermal Rat	>5000 mg/kg
	<b>Silica</b>		
		LD50 Oral Rat	>5000 mg/kg
		LD50 Dermal Rat	>2000 mg/kg

### SYMPTOMS

*INHALATION* Irritation to the respiratory tract and other mucous membranes.  
*SKIN CONTACT* Prolonged exposure may cause skin irritation.  
*Eye CONTACT* Exposure may cause eye irritation.  
*CARCINOGENICITY* Crystalline silica - May cause cancer.

### CHRONIC SYMPTOMS

May cause cancer. Long term continued exposure of respirable crystalline silica above the established limits may lead to the development of silicosis, developed through acute exposure to extremely dusty environments from the generation of tile dust. Silicosis is a disease that belongs to a group of lung disorders called pneumoconioses. Silicosis is marked by the formation of lumps (nodules) and fibrous scar tissue in the lungs.

## SECTION 12 | ECOLOGICAL INFORMATION

NON-MANDATORY

## SECTION 13 | DISPOSAL CONSIDERATION

NON-MANDATORY

## SECTION 14 | TRANSPORTATION INFORMATION

NON-MANDATORY

## SECTION 15 | REGULATORY INFORMATION

NON-MANDATORY

## SECTION 15 | REGULATORY INFORMATION

REVISION DATE      6/20/19

OTHER INFORMATION      This document prepared from OSHA HCS 29 CFR 1910.1200(g)

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