

Product Name: Xtreme Terrazzo  
Revision Date 06/21/12



## MATERIAL SAFETY DATA SHEET

### SECTION 1 Product and Company Identification

#### Product

Product Name: Xtreme Terrazzo  
Product Description: Cementitious precast composite  
Intended Use: precast

#### Company

Manufacturer: SureCrete Design Products, Inc.  
15246 Citrus Country Drive  
Dade City, FL 33523  
USA  
Contact: 352-567-7973 (telephone general)  
800-424-9300 (telephone emergency – Chemtrec)  
813-469-1408 (telephone 24 hour emergency)  
813-469-1419 (telephone 24 hour emergency)  
[info@surrecretedesign.com](mailto:info@surrecretedesign.com) (e-mail)  
352-521-0973 (facsimile)

### SECTION 2 Hazards Identification

#### Emergency Overview

The dry product mix poses no immediate hazard. A single short term exposure to dry product is unlikely to cause serious harm. However, exposure of sufficient duration to wet product can cause serious, potentially irreversible tissue (eye or skin) destruction in the form of chemical (caustic) burns. The same type of damage can occur if the wet or moist areas of the body are exposed for sufficient duration.

Warning! Harmful if inhaled. Overexposure by inhalation may induce delayed, irreversible upper respiratory injury (silicosis.) This product is considered hazardous by OSHA Hazard Communication Standard. See section 11 notes. Product does not pose a fire hazard.

### SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
<b>Hazardous</b>			
Portland Cement type 1	65997-15-1	ND	<95%
<b>Non Hazardous</b>			
Amorphous Calcium Aluminosilicate	65997-17-3	266-046-0	<10%



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#### SECTION 4 First Aid Measures

**Eye Contact:** Rinse with running water for 15 mins. Hold eyelids apart while irrigating. Call physician immediately.

**Skin Contact:** Wash affected area thoroughly with pH-neutral soap or mild detergent and water. Wash clothing before reuse. Seek medical attention for prolonged exposure to wet product.

**Inhalation:** Move to fresh air. Get medical attention if coughing and other symptoms do not subside.

**Ingestion:** Get medical attention immediately. Do not induce vomiting. If conscious administer copious amounts of drinking water.

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#### SECTION 5 Fire Fighting Measures

**Extinguishing Media:** not combustible

**Appropriate:** none

**Inappropriate:** none

**Fire Fighting Procedures:** none

**Unusual Fire and Explosion Hazard:** none

**Hazardous Combustion Products:** none

#### Flammability Properties

**Flash Point (Method):** None

**Flammable Limits (Approximate volume % in air):** LEL: none UEL: none

**Autoignition Temperature:** not combustible

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#### SECTION 6 Accidental Release Measures

**Personal precautions:** May require NIOSH approved respirator if product becomes airborne. Ventilate area. Avoid contact with eyes, skin, and clothing.

**Environmental precautions:** Prevent entry into waterways.

**Methods for clean-up:** Dry spills may be scooped up. Attempt to prevent dry product (dust) from becoming airborne. Wet product may be scraped up and placed in appropriate disposal containers. Allow wet product to dry before disposal. Do not flush down drains.

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#### SECTION 7 Handling and Storage

**Handling:** Avoid contact with eyes, skin, and clothing. Promptly remove dusty clothing or clothing that has become wet with the mixed product. Launder clothing before reuse. Wash thoroughly after exposure to product.

**Storage:** Keep bags dry. Keep out of reach of children.

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### SECTION 8 Exposure Control / Personal Protection

**Exposure limit values:** ACGIH TLV-TWA 10 total dust/ m<sup>3</sup>  
OSHA-PEL (8 – hour TWA) 15 mg total dust/ m<sup>3</sup>  
OSHA-PEL (8 – hour TWA) 5 mg respirable dust/ m<sup>3</sup>

**Occupational exposure controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

*Respiratory protection:* Wear suitable NIOSH approved respirator when ventilation is inadequate

*Hand protection:* Impervious gloves if contact is anticipated

*Eye protection:* Safety glasses with side shields

*Skin protection:* Minimize skin contact with appropriate long-sleeved clothing. Wash frequently with pH neutral soap.

*Hygiene measures:* Observe good industrial hygienic practices. Frequently launder or discard protective clothing, equipment.

**Environmental exposure controls:** None anticipated

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### SECTION 9 Physical and Chemical Properties

#### General

Physical state: powder

Color: white – off white

Odor: no distinct odor

#### Safety Data

pH in water: 12 -13

Boiling point: not applicable

Flash point: not applicable

Flammable limits (approximate volume % in air): not combustible

Autoignition temperature: not applicable

Vapor pressure (mm Hg.): not applicable

Water solubility: slightly

Vapor density (air = 1): not applicable

Specific gravity (water = 1): 2.7 – 3.1

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### SECTION 10 Stability and Reactivity

**Stability:** Stable

**Conditions to avoid:** unintentional contact with moisture

**Materials to avoid:** acids, ammonia salts, and phosphorous

**Hazardous decomposition products:** will not spontaneously occur; adding water will produce caustic calcium hydroxide

**Hazardous polymerization:** will not occur

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### SECTION 11 Toxicological Information

#### Acute Toxicity

Route of Exposure	Conclusion / Remarks
Inhalation	Exposure to airborne dust may cause irritation, cough, expectoration, shortness of breath, wheezing. Repeated overexposure to dust at very high levels can cause acute silicosis, an incurable, rapidly progressing fatal lung disease.
Ingestion	Can cause esophageal and stomach burns
Skin	Direct contact with wet product may cause extensive burns with dermal necrosis. There may be no obvious pain at the time of exposure.
Eye	Contact with dry or wet product may cause burning and corneal edema.

#### Chronic / Other Effects

Chronic bronchitis may result from chronic exposure to dust. This product contains crystalline silica, which is a cancer hazard if inhaled. Prolonged exposure to crystalline silica can cause silicosis.

#### Carcinogenicity:

Quartz Silica Sand listed in Section 3 has been identified by IARC as carcinogenic: "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1.)" The IARC noted that "carcinogenicity was not detected in all industrial circumstances studies."

### SECTION 12 Ecological Information

**Ecotoxicity:** No recognized unusual toxicity to plants or animals

### SECTION 13 Disposal Considerations

**Methods of disposal:** This material may be safely landfilled in accordance with federal, state, and local environmental control regulations.

### Section 14 Transport Information

#### International transport regulations

This product is not regulated for transport.

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Additional information	Marine pollutant
ADR/RID class					none	
IMDG class					none	
IATA class					none	



## SECTION 15 Regulatory Information

### USDOL – OSHA & MSHA Hazard Communication Rule 29 CFR 1920.1200

Considered a hazardous chemical under this regulation, and should be part of any hazard communication program

### TSCA (USA - Toxic Substance Control Act)

Some substances in product are on the TSCA inventory list

### SARA Title III ( USA – Superfund Amendments and Reauthorization Act)

311/312 Hazard categories

Delayed Health Effects

313 Reportable Ingredients:

None

### CERCLA (USA – Comprehensive Response Compensation and Liability Act)

None

### California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

This product contains trace elements known to the State of California to cause cancer, birth defects, or reproductive harm. California law requires the manufacturer to give the above warning in the absence of definitive testing to prove the defined risks do not exist.

### Federal Hazardous Substance Act

Considered a hazardous substance subject to the statutes promulgated under the subject act.

### DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL

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## SECTION 16 Other Information

### Worldwide Hazardous Materials Information System (WHMIS)

Components of this product are considered hazardous material under the Hazardous Product Act, as defined by the Controlled Products Regulations (Class "E" – Corrosive Material) and is therefore subject to labeling and MSDS requirements of the WHMIS

**Recommended restriction:** for use by trained professionals, having read the complete MSDS

### Key Legend:

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

R – Risk Phrases

S – Safety Phrases



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