



## SAFETY DATA SHEET

### SECTION 1 Product and Company Identification

#### Product

Product Name: [XS Packing Additive](#)

Product Description: Thickening Additive For XS & D-FRC

Intended Use: Thickening agent / moisture control for casting concrete

#### Company

**Manufacturer:** SureCrete Design Products, Inc.

15246 Citrus Country Drive

Dade City, FL 33523

USA

**Contact:** 1-352-567-7973 (telephone general)

1-800-262-8200 Chemtrec

+1 703-741-5500 Chemtrec International

[info@surecretedesign.com](mailto:info@surecretedesign.com) (e-mail)

1-352-521-0973 (facsimile)

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### SECTION 2 Hazards Identification

**Physical hazards:** Not classified.

**Health Hazards:** Not classified.

**Environmental hazards:** Not classified.

**OSHA defined hazards:** Not classified.

#### Label Elements

**Hazard Symbol:** None.

**Signal word:** Not available.

**Hazard statement:** Not available.

**Prevention:** Not available.

**Response:** Not available.

**Storage:** Not available.

**Disposal:** Not available.

**Hazard(s) not otherwise classified (HNOC):** None known

**Supplemental information:** None

#### Hazard Ratings

|             | <i>health</i> | <i>flammability</i> | <i>reactivity</i> |
|-------------|---------------|---------------------|-------------------|
| <b>NFPA</b> | 1             | 0                   | 0                 |

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### SECTION 3 Composition / Information on Ingredients

**Composition:** Dry mixture.

**Ingredients:** Proprietary composition TRADE SECRET.

**Composition comments:** This product contains naturally occurring crystalline silica (not listed in Annex I of Directive 67/548/EEC) in quantities less than 6%. Occupational Exposure Limits for impurities are listed in Section 8.



#### **SECTION 4 First Aid Measures**

**General advice:** Move out of dangerous area.

**Eye contact:** Flush eyes immediately with large amounts of water. Get medical attention if irritation develops or persists.

**Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.

**Skin contact:** No special measures required. Get medical attention if irritation develops or persists.

**Ingestion:** No special measures required. If ingestion of a large amount does occur, seek medical attention.

**Most important symptoms and effects, both acute and delayed:** Not available.

**Indication of any immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically.

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#### **SECTION 5 Fire Fighting Measures**

**Extinguishing Media:** Use any media suitable for the surrounding fires. Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Special Hazards:** Not applicable.

**Unusual Fire and Explosion Hazard:** This material will not burn.

**Advice for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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#### **SECTION 6 Accidental Release Measures**

**Personal precautions:** Material can be slippery when wet. Forms smooth, slippery surfaces on floors, posing an accident risk. Wear a dust mask if dust is generated above exposure limits.

**Environmental precautions:** No special environmental precautions required.

**Methods for clean-up:** Reduce airborne dust and prevent scattering by moistening with water. Avoid the generation of dusts during clean-up. Collect dust or particulates using a vacuum cleaner with a HEPA filter.

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#### **SECTION 7 Handling and Storage**

**Handling:** Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment. Material can be slippery when wet. Forms smooth, slippery surfaces on floors, posing an accident risk.

**Conditions of safe storage:** Guard against dust accumulation of this material. No special storage conditions required. No special restrictions on storage with other products.



## SECTION 8 Exposure Control / Personal Protection

### Exposure limit values:

| Component                            | Value / Source |   |  |            |
|--------------------------------------|----------------|---|--|------------|
| Inert or nuisance dust<br>CAS SEQ250 | PEL            | 15 mg/m <sup>3</sup> (total dust)           | 5 mg/m <sup>3</sup> (respirable fraction)  | OSHA Z1    |
| Inert or nuisance dust<br>CAS SEQ250 | TWA            | 35 mg/m <sup>3</sup> (respirable particles) | 10 mg/m <sup>3</sup> (inhalable particles) | ACGIH- TLV |

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:** If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn.

### Personal Protective Equipment

*Eye/face protection:* Wear dust goggles.

*Hand protection:* Not available.

*Other:* No special protective equipment.

*Respiratory protection:* Use a particulate filter respirator for particulate concentrations exceeding the OEL.

*General hygiene considerations:* Eye wash fountain is recommended. Use good industrial hygiene practices in handling this material.

## SECTION 9 Physical and Chemical Properties

### General

Appearance: solid, granular, vari-colored

Odor: none

Odor Threshold: No data available

### Safety Data

pH: 7 - 9

Melting point: No data available

Boiling point: No data available

Flash point: Non-flammable

Freeze Point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper-lower flammability or explosive limits:

Flammability limit – lower (%): Non-flammable

Flammability limit – upper (%): Non-flammable

Explosive limit – lower (%): Non-explosive

Explosive limit – upper (%): Non-explosive

Vapor pressure: 0 hPa estimated

Vapor density (air = 1): No data available



Relative density: No data available  
Water solubility: Negligible  
Partition coefficient: n-octanol/water: No data available  
Auto-ignition temperature: No data available  
Decomposition temperature: No data available  
Viscosity: No data available  
Density: 1.05 g/cm<sup>3</sup> estimated  
Percent volatile: 0% estimated  
Specific gravity: 1.05 estimated  
VOC (weight %): 0%

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## SECTION 10 Stability and Reactivity

**Chemical stability:** Stable at normal conditions. No hazards to be especially mentioned.

**Reactivity:** Not available.

**Possibility of Hazardous reactions:** Will not occur.

**Conditions to avoid:** None known.

**Incompatible materials:** None known.

**Hazardous decomposition products:** None known.

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## SECTION 11 Toxicological Information

### Likely Routes of Exposure

**Ingestion:** No data available.

**Inhalation:** No data available.

**Skin contact:** No data available.

**Eye contact:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:** No data available.

### Toxicological Effects

**Acute Toxicity:** Dust in the eyes will cause irritation. Dust in high concentrations may irritate the respiratory system.

**Skin corrosion/irritation:** No data available.

**Serious eye damage/irritation:** Mild irritant to eyes (according to the modified Kay & Calandra criteria).

**Respiratory or skin sensitization:** No data available.

**Mutagenicity:** No data available.

**Carcinogenicity:** No data available.

**Reproductive toxicity:** No data available.

**Specific target organ toxicity- single exposure:** No data available.

**Specific target organ toxicity- repeated exposure:** No data available.

**Aspiration Hazard:** No data available.

**Chronic effects:** Overexposure to dusts may result in pneumoconiosis, which can lead to fibrotic changes in the lung tissue, or silicosis, a respiratory disease caused by inhalation of crystalline silica dust, which can lead to inflammation and fibrosis of the lung tissue. In 1997, IARC (the International Agency for Research on



Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibers, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003).

According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

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## SECTION 12 Ecological Information

**Eco toxicity:** The product is not expected to be hazardous to the environment. This product is not expected to produce significant Eco toxicity upon exposure to aquatic organisms and aquatic systems.

**Persistence and degradability:** No data available.

**Bio accumulative potential:** Does not bio accumulate.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

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## SECTION 13 Disposal Considerations

**Methods of disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

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## Section 14 Transport Information

**DOT:** This product is not regulated for transport.

**ARD/RID:** This product is not regulated for transport.

**IMDG:** This product is not regulated for transport.

**IATA:** This product is not regulated for transport.

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## SECTION 15 Regulatory Information

### US federal regulations:

**OSHA Process Safety Standard:** This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

**US OSHA Specifically Regulated Substances (29 CFR 1910.1001-5000):** Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**



**Hazard Categories:** None.

**SARA 302 Extremely hazardous substance:** No.

**SARA 311/312 Hazardous chemical:** No.

**Clean Air Act:** Not regulated.

**Safe Drinking Water Act:** Not regulated

**US state regulations:**

**US. California Proposition 65:** This product contains a chemical known to the State of California to cause cancer.

**International Inventories\*:**

**Australia** Australian Inventory of Chemical Substances (AICS) Yes

**Canada** Domestic Substances List (DSL) Yes

**Canada** Non-Domestic Substances List (NDSL) No

**China** Inventory of Existing Chemical Substances in China (IECSC) No

**Europe** European Inventory of Existing Commercial Chemical Substances (EINECS) Yes

**Europe** European List of Notified Chemical Substances (ELINCS) No

**Japan** Inventory of Existing and New Chemical Substances (ENCS) No

**Korea** Existing Chemicals List (ECL) Yes

**New Zealand** New Zealand Inventory Yes

**Philippines** Philippine Inventory of Chemicals and Chemical Substances (PICCS) No

**United States & Puerto Rico** Toxic Substances Control Act (TSCA) Inventory Yes

\* A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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**SECTION 16 Other Information**

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

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*To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*