

Product Name: SCT-22 (Part B)

Revision Date 01/01/2016

## SAFETY DATA SHEET

### SECTION 1 Product and Company Identification

#### Product

Product Name: [SCT-22 \(Part B\)](#)

Product Description: Fast cure polyurethane (catalyst)

Intended Use: Treating static cracks and spalls in concrete

#### Company

Manufacturer: SureCrete Design Products, Inc.

15246 Citrus Country Drive

Dade City, FL 33523

USA

Contact: 352-567-7973 (telephone general)

800-262-8200 Chemtrec

+1 703-741-5500 Chemtrec International

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

352-521-0973 (facsimile)

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### SECTION 2 Hazards Identification

#### Classification of substance or mixture:

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 4) H227

Skin corrosion/irritation (Category 2) H312

Serious eye damage/eye irritation (Category 2A) H318

Carcinogenicity (Category 2) H351

Specific target organ toxicity, single exposure (Category 3 vapors may cause drowsiness or dizziness)

H336

Hazardous to the aquatic environment, acute hazard (Category 2) H401

Hazardous to the aquatic environment, chronic hazard (Category 2) H411

#### GHS Label Elements

##### Hazard symbol:



Signal word: Warning

#### Label Hazard Statements

H227: Combustible liquid.

H319: Causes serious eye irritation

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

H351: Suspected of causing cancer.

H411: Toxic to aquatic life with long-lasting effects.

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**Label Precautionary statements**

P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P273: Avoid release to the environment.  
 P271: Use only outdoors or in a well-ventilated area.  
 P210: Keep away from heat/sparks/open flames/hot surfaces. -- No smoking.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P260: Do not breathe dust/fume/gas/mist/vapors/ spray.  
 P264: Wash skin thoroughly after handling.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
 P308 + P311: IF exposed or concerned: Call a POISON CENTER or doctor/physician.  
 P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P302 + P352: IF ON SKIN: Wash with plenty of water.  
 P332 + P313: If skin irritation occurs: Get medical advice/attention.  
 P391: Collect spillage.  
 P337 + P311: If eye irritation persists: Call a POISON CENTER or doctor/physician.  
 P362 + P364: Take off contaminated clothing and wash before reuse.  
 P370 + P378: In case of fire: Use water spray, dry powder, carbon dioxide, foam to extinguish.  
 P233: Keep container tightly closed.  
 P403 + P235: Store in a well-ventilated place. Keep cool.  
 P405: Store locked up.  
 P501: Dispose of contents and container in accordance with local regulations.

**Hazards not otherwise classified**

No specific dangers known, if the regulations/notes for storage and handling are considered.

**Emergency Overview**

Caution: Combustible Liquid. May cause eye, skin and respiratory tract irritation. Suspect cancer hazard.

**SECTION 3 Composition / Information on Ingredients**

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
<b>Hazardous</b>			
Tetrahydroxypropylethyldiamine	102-60-3	NE	<50%
solvent naphtha	64742-94-5	NE	<50%
naphthalene	91-20-3	NE	<3%

The exact percentage of composition has been withheld as a trade secret.

**SECTION 4 First Aid Measures**

**Inhalation:** Keep patient calm, remove to fresh air, seek medical attention.

**Skin Contact:** Wash contact areas with soap and water.

**Eye Contact:** Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye spe-



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cialist.

**Ingestion:** Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

**Most important symptoms/effects, acute and delayed:** Eye irritation, skin irritation, allergic symptoms.

*Information on solvent naphtha:* Overexposure may cause: unconsciousness, vomiting, lethargy, confusion, nausea, headache, dizziness.

*Information on naphthalene:* Overexposure may cause: perspiration, methaemoglobinaemia, loss of appetite, emoglobinuria, hemolytic anemia, corneal injury, nausea, headache.

Symptoms can occur later.

*Information on: 1,2,4-Trimethylbenzene:* Overexposure may cause: headache, tiredness, nausea, anxiety, asthma, bronchitis, noncardiogenic pulmonary edema.

**Indication of immediate medical attention and special treatment needed:**

Note to physician: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**General information:** First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

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## SECTION 5 Fire Fighting Measures

**Appropriate Extinguishing Media:** Foam, CO<sub>2</sub>, dry chemical, water spray or fog.

**Special Hazards arising from substance or mixture:** No particular hazards known.

**Advice for Fire Fighters:** Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further Information:** Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## SECTION 6 Accidental Release Measures

**Personal Precautions, Protective Equipment, Emergency Procedures:** Use personal protective clothing. High risk of slipping due to leakage/spillage of product.

**Methods and Materials for Containment and Clean-up:**

Spills should be contained, solidified, and placed in suitable containers for disposal.

**Environmental precautions:** Do not discharge into drains/surface waters/groundwater

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## SECTION 7 Handling and Storage

**Precautions for Safe Handling:** Ensure thorough ventilation of stores and work areas. Protect against moisture. No explosion proofing necessary.

**Conditions for Safe Storage, Including Incompatibilities:** Suitable containers: Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2). No special precautions necessary. Avoid extreme heat. Store protected against freezing. Protect against moisture.

Storage temperature: 60 - 80°F (16 - 27 °C)

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## SECTION 8 Exposure Control / Personal Protection

**Engineering Measures:** Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

### Exposure limit values:

Component	Value / Source			
naphthalene	PEL	50 mg/m <sup>3</sup>	10 ppm	OSHA PEL
naphthalene	STEL	75 mg/m <sup>3</sup>	15 ppm	OSHA PEL
naphthalene	TWA	50 mg/m <sup>3</sup>	10 ppm	OSHA PEL
naphthalene	TWA	No data available	10 ppm	ACGIH TLV
naphthalene	STEL	No data available	15 ppm	ACGIH TLV
Solvent naphtha	PEL	400 mg/m <sup>3</sup>	100 ppm	OSHA PEL
Solvent naphtha	TWA	400 mg/m <sup>3</sup>	100 ppm	OSHA PEL

**Advice on system design:** Provide local exhaust ventilation to control vapors/mists.

### Personal Protection:

*Respiratory protection:* Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator as needed.

*Hand protection:* Chemical resistant protective gloves.

*Eye protection:* Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

*Skin protection:* Standard work clothes and shoes.

*Hygiene measures:* Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapors/mists. Wash soiled clothing immediately.

## SECTION 9 Physical and Chemical Properties

Appearance: Clear to cloudy liquid.

Physical state: Liquid.

Odor: Aromatic. Solvent-like.

Odor threshold: Not applicable.

pH: >=7.

Freezing point: 32°F (0°C)

Initial boiling point and boiling range: 392°F (200 °C)

Flash point: 142°F (61°C)

Evaporation rate: Not available.

Flammability: Flammable liquid

Flammability limit – lower: Not available.

Flammability limit – upper: Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure: 0.01 mm/Hg @ 77°F (25°C)

Vapor density Relative density: Not available.

Solubility (water): Not available.

Partition coefficient: Not available.

Auto-ignition temperature: Not self-igniting.

Decomposition temperature: Not available.



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Viscosity Not available.

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## SECTION 10 Stability and Reactivity

**Stability:** The product is stable if stored and handled as prescribed/indicated.

**Reactivity:** No corrosive effect on metals. Not an oxidizer.

**Conditions to avoid:** Temperatures <32°F (0°C).

**Possibility of hazardous reactions:** Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalis. Reacts with amines. Risk of exothermic reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittleness of the substance/product with subsequent loss in strength.

**Materials to avoid:** Acids, oxidizing agents, isocyanates.

**Hazardous decomposition products:** carbon monoxide, carbon dioxide.

**Thermal decomposition:** No decomposition if stored and handled as prescribed/indicated.

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## SECTION 11 Toxicological Information

**Primary Routes of Exposure:** Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases

**Acute Toxicity / Effects:** Possible narcotic effects (drowsiness or dizziness). Eye contact causes irritation. Skin contact causes irritation. The chemical structure does not suggest a sensitizing effect.

### Chronic Toxicity/Effects

**Repeated Dose Toxicity:** Repeated oral uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects.

**Genetic toxicity:** The chemical structure does not suggest a specific alert for such an effect.

**Reproductive toxicity:** The chemical structure does not suggest a specific alert for such an effect.

**Teratogenicity:** The chemical structure does not suggest a specific alert for such an effect.

**Other Information:** The product has not been tested. The statement has been derived from the properties of the individual components.

**Symptoms of Exposure:** Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

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## SECTION 12 Ecological Information



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**Eco toxicity** - There is a high probability that the product is not acutely harmful to aquatic organisms.

#### Toxicity

Chemical Name	CAS No	Species	LC/EC50 (mg/L)	Exposure (Method)
Naphthalene	91-20-3	(Fish) Oncorhynchus gorboscha	0.9 – 1.1	48 h (flow-through)
Naphthalene	91-20-3	(Crustacea) Daphnia magna	2.6	48 h
Naphthalene	91-20-3	(Aquatic plant) Skeletonema costatum	0.4	72 h
Naphthalene	91-20-3	(Microorganisms) Bacteria	29	24 h

**Persistence and degradability:** Poorly biodegradable.

**Bio accumulative potential:** Significant accumulation in organisms is not to be expected.

**Mobility in soil:** Absorption to solid soil phase is not expected.

**Additional information:** This product contains no organically-bound halogen. The product has not been tested. Do not discharge product into the environment without control.

#### SECTION 13 Disposal Considerations

**Disposal instructions:** Dispose in accordance with all applicable regulations. Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

#### Section 14 Transport Information

**DOT:** Classified as combustible liquid in containers greater than 119 gallons. Product is not offered in single receptacle package size that approaches reportable quantity.

**IATA:** Not classified as a dangerous good under transport regulations.

**IMDG:** Not classified as a dangerous good under transport regulations.

#### SECTION 15 Regulatory Information

**US federal regulations:** All components are on the U.S. EPA TSCA Inventory List.

**SARA 311/312 Hazardous chemical:** Acute; Chronic; Fire

**SARA 313 (TRI reporting):** Naphthalene (CAS 91-20-3) listed

**CERCLA Reportable Quantities:** 100 lbs. Naphthalene (CAS 91-20-3)

#### US state regulations

**US. Massachusetts RTK - Substance List:**

Solvent naphtha (CAS 64742-94-5)

Naphthalene (CAS 91-20-3)

1,2,4-trimethylbenzene (CAS 95-63-6)



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**US. New Jersey Worker and Community Right-to-Know Act:**

Solvent naphtha (CAS 64742-94-5)

Naphthalene (CAS 91-20-3)

1,2,4-trimethylbenzene (CAS 95-63-6)

**US. Pennsylvania Worker and Community Right-to-Know Law:**

Solvent naphtha (CAS 64742-94-5)

Naphthalene (CAS 91-20-3)

1,2,4-trimethylbenzene (CAS 95-63-6)

**US. California Proposition 65:** WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm.

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**SECTION 16 Other Information**

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

**Hazard Ratings**

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
<b>HMIS</b>	2	2	1
<b>NFPA</b>	2	2	1

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