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 (e-mail)
352-521-0973 (facsimile)

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.
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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS #</th>
<th>EC#</th>
<th>% (by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazardous</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tetrahydroxypropylethendiamine</td>
<td>102-60-3</td>
<td>NE</td>
<td>&lt;50%</td>
</tr>
<tr>
<td>solvent naphtha</td>
<td>64742-94-5</td>
<td>NE</td>
<td>&lt;50%</td>
</tr>
<tr>
<td>naphthalene</td>
<td>91-20-3</td>
<td>NE</td>
<td>&lt;3%</td>
</tr>
</tbody>
</table>

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-
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.

SECTION 5 Fire Fighting Measures
Appropriate Extinguishing Media: Foam, CO₂, 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.

SECTION 6 Accidental Release Measures

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

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)
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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Value / Source</th>
<th>Value</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>naphthalene</td>
<td>PEL</td>
<td>50 mg/m³</td>
<td>10 ppm</td>
</tr>
<tr>
<td>naphthalene</td>
<td>STEL</td>
<td>75 mg/m³</td>
<td>15 ppm</td>
</tr>
<tr>
<td>naphthalene</td>
<td>TWA</td>
<td>50 mg/m³</td>
<td>10 ppm</td>
</tr>
<tr>
<td>naphthalene</td>
<td>TWA</td>
<td>No data available</td>
<td>10 ppm</td>
</tr>
<tr>
<td>naphthalene</td>
<td>STEL</td>
<td>No data available</td>
<td>15 ppm</td>
</tr>
<tr>
<td>Solvent naphtha</td>
<td>PEL</td>
<td>400 mg/m³</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Solvent naphtha</td>
<td>TWA</td>
<td>400 mg/m³</td>
<td>100 ppm</td>
</tr>
</tbody>
</table>

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.
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).


**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.

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.

SECTION 12 Ecological Information
**Eco toxicity** - There is a high probability that the product is not acutely harmful to aquatic organisms.

**Toxicity**

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

**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.

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**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.

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**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.

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**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)
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.

SECTION 16 Other Information
Recommended restriction: for use by trained professionals, having read the complete SDS

<table>
<thead>
<tr>
<th>Hazard Ratings</th>
<th>health</th>
<th>flammability</th>
<th>reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>NFPA</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

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.