SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product
Product Name: SureTique Powder Release
Product Description: Colored Cement Stamping Release Powder Agent
Intended Use: Releasing stamping tools / accent coloring freshly placed 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 (e-mail)
1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Carcinogenicity: Category 1A H350
Specific target organ (lung) toxicity (repeated exposure): Category 2 H335

GHS Label Elements:
Hazard Symbol:

Signal Word: Danger

Label Hazard Statements:
H350: May cause cancer
H373: May cause damage to organs (lung) through prolonged or repeated exposure

Label Precautionary Statements:
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P308 + P313: If exposed or concerned: Get medical advice/attention.
P405: Store locked up.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.
**Other hazards which do not result in classification or are not covered by the GHS**

Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. May cause nose, throat, and lung irritation.

**Hazard Ratings**

<table>
<thead>
<tr>
<th></th>
<th>health</th>
<th>flammability</th>
<th>reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HMIS</strong></td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>NFPA</strong></td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**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>Crystalline silica, quartz (impurity)</td>
<td>14808-60-7</td>
<td>ND</td>
<td>≥ 0.1%</td>
</tr>
<tr>
<td><strong>Non hazardous</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black pigment</td>
<td>1317-61-9</td>
<td>ND</td>
<td>&lt;13%</td>
</tr>
<tr>
<td>Yellow pigment</td>
<td>51274-00-1</td>
<td>ND</td>
<td>0 – &lt;7%</td>
</tr>
<tr>
<td>Red pigment</td>
<td>1309-37-1</td>
<td>ND</td>
<td>0 – &lt;12%</td>
</tr>
<tr>
<td>Green Pigment</td>
<td>1328-53-6</td>
<td>ND</td>
<td>0 – &lt;5%</td>
</tr>
<tr>
<td>Blue Pigment</td>
<td>147-14-8</td>
<td>ND</td>
<td>0 – &lt;3%</td>
</tr>
<tr>
<td>Titanium Dioxide*</td>
<td>13463-67-7</td>
<td>ND</td>
<td>0 – &lt;3%</td>
</tr>
</tbody>
</table>

The chemical identity and concentration or concentration ranges of all ingredients, other than crystalline silica quartz, which are hazardous within the meaning of the GHS are present below their cut-off levels (i.e. <0.1% for reproductive toxicity, carcinogenicity and category 1 mutagenicity and <1% for all other hazard classes. The exact percentage (concentration) of composition has been withheld as a trade secret.

* Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

**SECTION 4 First Aid Measures**

**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention of symptoms occur.

**Potential acute health effects**
- **Eye contact:** May cause mechanical irritation (abrasion).
- **Inhalation:** May cause respiratory irritation.
- **Skin contact:** May cause mechanical irritation (abrasion).
- **Ingestion:** No known significant effects or critical hazards.

**Over-exposure signs/symptoms:**
- **Eye contact:** No specific data.
- **Inhalation:** Respiratory tract irritation and coughing.
- **Skin contact:** No specific data.
- **Ingestion:** No specific data.

**Potential chronic health effects:**
Long-term exposure to high concentrations of crystalline silica quartz may cause cancer. Long-term exposure to high concentrations of dust containing iron oxide can cause a benign condition termed “pulmonary siderosis.” This condition is not associated with any physical impairment of lung function.

**Note to physician:** Treat symptomatically. No specific treatment.

**Protection of first-aiders:** No special measures required.

**SECTION 5 Fire Fighting Measures**
**Extinguishing Media:** Non-combustible. All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.

**Special Hazards:** None.

**Unusual Fire and Explosion Hazard:** None.

**Advice for firefighters:** Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**SECTION 6 Accidental Release Measures**
**Personal precautions:** Avoid dust generation. Keep unnecessary and unprotected personnel away from spill. Do not touch or walk through spilled material. Put on appropriate protective equipment.

**Environmental precautions:** Avoid dispersal of spilled material and runoff from contact with soil, waterways, drains and sewers.

**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.

**SECTION 7 Handling and Storage**

**Handling:** Avoid breathing dust. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

**Conditions of safe storage:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink.

Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers or liners may retain some product residues.

**SECTION 8 Exposure Control / Personal Protection**

**Exposure limit values:**

<table>
<thead>
<tr>
<th>Component</th>
<th>Value / Source</th>
<th>Value / Source</th>
<th>Value / Source</th>
<th>Value / Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, (quartz) 14808-60-7</td>
<td>TWA</td>
<td>0.05 mg/m³ (respirable fraction) 10h</td>
<td>No data available</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td>Crystalline Silica, quartz 14808-60-7</td>
<td>TWA</td>
<td>0.25 mg/m³ (respirable fraction) 8h</td>
<td>No data available</td>
<td>ACGIH TLV</td>
</tr>
<tr>
<td>Crystalline Silica, quartz 14808-60-7</td>
<td>TWA</td>
<td>10 mg/m³ divided by %SiO₂ + 2 (respirable fraction)</td>
<td>30 mg/m³ divided by %SiO₂ + 2 (total dust)</td>
<td>OSHA PEL</td>
</tr>
<tr>
<td>Limestone 1317-65-3</td>
<td>TWA</td>
<td>15 mg/m³ (total dust)</td>
<td>5 mg/m³ (respirable fraction)</td>
<td>OSHA Z1</td>
</tr>
<tr>
<td>Titanium Dioxide 13463-67-7</td>
<td>TWA</td>
<td>4 mg/m³ (total dust)</td>
<td>1 mg/m³ (respirable fraction)</td>
<td>JSOH OEL’s</td>
</tr>
<tr>
<td>Titanium Dioxide 13463-67-7</td>
<td>TWA</td>
<td>10 mg/m³ (total dust)</td>
<td>No data available</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Pigment (green) 7 1328-53-6</td>
<td>TLV</td>
<td>0.5 mg/m³ (respirable fraction)</td>
<td>No data available</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Pigment (green) 7 1328-53-6</td>
<td>PEL</td>
<td>0.5 mg/m³ (total dust)</td>
<td>No data available</td>
<td>OSHA</td>
</tr>
<tr>
<td>Blue pigment 147-14-8</td>
<td>TLV</td>
<td>0.5 mg/m³ (respirable fraction)</td>
<td>No data available</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>
Exposure Controls

Appropriate engineering controls: Use mechanical ventilation (dilution and local exhaust) to control exposure within applicable limits.

Personal Protective Equipment

Eye/face protection: Safety glasses with side shields or goggles. In extremely dusty environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury.

Skin protection: Wear impervious clothing to eliminate skin contact. Where needed wear boots that are impervious to water to eliminate foot and ankle exposure. Wear impervious gloves to eliminate skin contact.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be accordance with regulatory requirements.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

Potential environmental effects: Not considered to be harmful to aquatic life.

SECTION 9 Physical and Chemical Properties

General

Physical state: powder
Color: varies
Odor: no distinct odor
Odor Threshold: Not available

Safety Data
pH in water: 6 -10.2 (5% water suspension)
Melting point: Not available
Boiling point: Not available
Flash point: Not available
Freeze Point: Not available
Evaporation rate: Not applicable
Vapor pressure (mm Hg.): Not applicable
Water solubility: Not available
Vapor density (air = 1): Not applicable
Relative density: 2.7 – 4.5 g/cm³

SECTION 10 Stability and Reactivity

Chemical stability: Stable under normal storage conditions.

Possibility of Hazardous reactions: None under normal conditions of storage and use.

Conditions to avoid: No specific data.
Incompatible materials: Strong acids.

Hazardous decomposition products: None.

SECTION 11 Toxicological Information
Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, quartz 14808-60-7</td>
<td>500 mg/kg (Rat)</td>
<td>No data available</td>
</tr>
<tr>
<td>Limestone 1317-65-3</td>
<td>6450 mg/kg (Rat)</td>
<td>No data available</td>
</tr>
<tr>
<td>Titanium Dioxide 13463-67-7</td>
<td>&gt;5000 mg/kg (Rat)</td>
<td>No data available</td>
</tr>
<tr>
<td>Black pigment 1317-61-9</td>
<td>&gt;5000 mg/kg (Rat)</td>
<td>No data available</td>
</tr>
<tr>
<td>Yellow pigment 51274-00-1</td>
<td>&gt;10000 mg/kg (Rat)</td>
<td>&gt;195 g/m³ 2 weeks (Rat)</td>
</tr>
<tr>
<td>Red pigment 1309-37-1</td>
<td>&gt;5000 mg/kg (Rat)</td>
<td>&gt;210 g/m³ 2 weeks (Rat)</td>
</tr>
<tr>
<td>Green pigment 1328-53-6</td>
<td>&gt;10 g/kg (Rat)</td>
<td>No data available</td>
</tr>
<tr>
<td>Blue pigment 147-14-8</td>
<td>&gt;10 g/kg (Rat)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Acute Toxicity

<table>
<thead>
<tr>
<th>Route of Exposure</th>
<th>Conclusion / Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Contains ≥0.1% crystalline silica which can be absorbed into the body by inhalation and may have effects on the lungs, resulting in fibrosis (silicosis).</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause burns to mouth, throat and stomach.</td>
</tr>
<tr>
<td>Skin</td>
<td>Dries skin and mucous membranes.</td>
</tr>
<tr>
<td>Eye</td>
<td>Slightly irritating, not classified.</td>
</tr>
</tbody>
</table>

Sensitization: Does not cause sensitization.

Mutagenicity: No data available.
**Carcinogenicity:** This product contains greater than 0.1% crystalline silica which is listed as a Group 1 carcinogen by IARC, a known carcinogen by NTP, OSHA and as A2 suspected human carcinogen by ACGIH. Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

**Reproductive toxicity:** No data available.

**Specific target organ toxicity- single exposure:** None.

**Specific target organ toxicity- repeated exposure:** Crystalline silica, quartz targets respiratory tract and kidneys (Category 1).

**Aspiration Hazard:** No data available.

### SECTION 12 Ecological Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Fish LC50</th>
<th>Algae/aquatic plants EC50</th>
<th>Crustacea EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>Pimephales promelas 1000 mg/L 96 h</td>
<td>Pseudokirchneriella subcapitata 61 mg/L 72 h</td>
<td>Daphnia magna 1000 mg/L 48 h</td>
</tr>
<tr>
<td>Black pigment</td>
<td>1317-61-9</td>
<td>Danio rerio 100000 mg/L 96 h</td>
<td>No data available</td>
<td>Daphnia magna 10000 mg/L 48 h</td>
</tr>
<tr>
<td>Yellow pigment</td>
<td>51274-00-1</td>
<td>Danio rerio 100000 mg/L 96 h</td>
<td>No data available</td>
<td>Daphnia magna 100 mg/L 48 h</td>
</tr>
<tr>
<td>Red pigment</td>
<td>1309-37-1</td>
<td>Danio rerio 500000 mg/L 96 h</td>
<td>No data available</td>
<td>Daphnia magna 100 mg/L 48 h</td>
</tr>
<tr>
<td>Green Pigment</td>
<td>1328-53-6</td>
<td>Danio rerio 100000 mg/L 96 h</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Blue Pigment</td>
<td>147-14-8</td>
<td>Danio rerio 100000 mg/L 96 h</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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

**Bio accumulative potential:** None

**Mobility in soil:** No data available.
Other adverse effects: No data available.

SECTION 13 Disposal Considerations
Methods of disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

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.

SECTION 15 Regulatory Information
US federal regulations: This product is hazardous according to OSHA 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.


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: Not listed.
SARA 311/312 Hazardous chemical: Not listed.
  Immediate (acute) health hazard
  Delayed (chronic) health hazard
SARA 313 (TRI reporting): None.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130): Not regulated.

US state regulations
US. Massachusetts RTK - Substance List:
  Limestone (CAS 1317-65-3)
  Black pigment (CAS 1317-61-9)
  Yellow pigment (CAS 51274-00-1)
  Red pigment (CAS 1309-37-1)

US. New Jersey Worker and Community Right-to-Know Act:
Limestone (CAS 1317-65-3)
Black pigment (CAS 1317-61-9)
Yellow pigment (CAS 51274-00-1)
Red pigment (CAS 1309-37-1)

**US. Pennsylvania Worker and Community Right-to-Know Law:**
Limestone (CAS 1317-65-3)
Black pigment (CAS 1317-61-9)
Yellow pigment (CAS 51274-00-1)
Red pigment (CAS 1309-37-1)

**US. California Proposition 65**: This product contains a component currently on the California list of Known Carcinogens and Reproductive Toxins. Respirable crystalline silica is known to the State of California to cause cancer.

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

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.