

# Material Safety Data Sheet



## Section 1: Product Information

|   |   |  |
|---|---|--|
| <b>Manufacturer's Name / Address:</b><br>Floritec Polytech, Inc.<br>1400 S. Geronimo Ave.<br>Parker, AZ 85344 | <b>Trade Name:</b><br><br><b>Chemical Family:</b> | ST-200 Stamp Overlay Powder<br><br>Cementitious Mortar |
| <b>Info. Phone:</b><br>(928) 669-1680   | <b>Intended Use:</b>                              | Decorative Concrete Topping                            |
| <b>Emergency Phone:</b><br>1-800-424-9300 CHEMTREC 24 Hours   |   |  |

## Section 2: Hazards Identification

**Likely Routes of Exposure:** ☒ Eye ☒ Inhalation ☒ Skin Contact ☒ Ingestion

**Overexposure Effects (organs or systems targeted or affected):** Pulmonary tract.

### Potential Health Effects (acute and chronic)

**Chronic:** Excessive inhalation may result in progressive respiratory illness such as silicosis, pneumoconiosis and pulmonary fibrosis. Prolonged skin contact may cause allergic dermatitis in hypersensitive individuals.

### Acute

**Eyes:** Direct exposure will cause irritation, redness and/or drying of the eyes.

**Skin Contact:** Drying, irritation, redness; prolonged exposure to material when wet may cause painful rash

**Skin Absorption:** Not absorbed by skin

**Inhalation:** Irritation, labored breathing and drying of nose and throat

**Ingestion:** Ingestion of very large quantities may result in gastro intestinal distress. Possible alkali burns of mouth, throat and gastrointestinal tract.

## Section 3: Hazardous Ingredients

| No. | Hazardous Component | CAS #      | % of Total |
|-----|---------------------|------------|------------|
| 1   | Portland Cement     | 65997-15-1 | < 30%      |
| 2   | Quartz Silica       | 14808-60-7 | < 80%      |
| 3   |                     |            |            |
| 4   |                     |            |            |
| 5   |                     |            |            |
| 6   |                     |            |            |
| 7   |                     |            |            |
| 8   |                     |            |            |
| 9   |                     |            |            |
| 10  |                     |            |            |

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## Section 4: First Aid Measures

**General:** Move person to an area free from further exposure. If unconscious seek emergency medical assistance immediately. Treat symptomatically. NEVER ATTEMPT TO GIVE ANYTHING BY MOUTH TO A PERSON WHO IS UNCONSCIOUS.

**Eyes:** Flush with running water for 15 minutes while holding eyes open. Flush under eyelids to clear any trapped debris. Seek medical attention immediately.

**Skin:** Remove contaminated clothing immediately. Wash affected areas thoroughly with soap and water removing all material. Do not use clothing again until properly laundered. Dispose of if required. Seek medical attention if symptoms arise or persist.

**Inhalation:** Remove affected person from further risk of exposure and seek medical assistance immediately. Administer oxygen or artificial respiration as needed.

**Ingestion:** DO NOT INDUCE VOMITING! Seek medical attention immediately. *Never induce vomiting or give liquid to an unconscious person.*

## Section 5: Fire Fighting Measures

|  |                                   |
|--|-----------------------------------|
| <b>Hazardous Combustion Products:</b>      | Not Combustible                   |
| <b>Extinguishing Media:</b>                | Any suitable for surrounding fire |
| <b>Special Firefighting Procedures:</b>    | None                              |
| <b>Unusual Fire and Explosion Hazards:</b> | None                              |

## Section 6: Accidental Release Measures

**General:** Clear all non-essential personnel from spill area. If indoors ventilate the area. Remove all sources of ignition. Provide cleanup personnel with proper protective equipment such as gloves, eyewear, protective clothing and breathing equipment as required.

**Cleanup of Small Spills:** Dike or impound material to prevent spreading and prevent further spillage if possible. Collect material in appropriate container or vessel. Remove containers to safe area and cover to await reclamation or disposal. Area may be rinsed with water but do not allow it to be flushed into sewers or natural waterways.

**Cleanup of Large Spills:** Contain material as above and contact local fire or police department for immediate emergency response.

## Section 7: Handling and Storage

**Safe Storage Considerations:** Store indoors in dry, low humidity conditions.

**Safe Handling Considerations:** Avoid puncturing bags or containers.

## Section 8: Exposure Controls/Personal Protection

| No. | Hazardous Component | OSHA PEL/TWA         | ACGIH TLV/TWA          |
|-----|---------------------|----------------------|------------------------|
| 1   | Portland Cement     | 10 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup>   |
| 2   | Quartz Silica       | 10 mg/m <sup>3</sup> | .025 mg/m <sup>3</sup> |
| 3   |                     |                      |                        |
| 4   |                     |                      |                        |
| 5   |                     |                      |                        |
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**Respiratory Protection:** If necessary use a NIOSH approved air purifying respirator appropriate to keep breathing air below the acknowledged exposure limits.

**Skin Protection:** Wear chemical resistant clothing such as gloves, apron, boots or full coverage suits as appropriate.

**Eye Protection:** Full coverage safety glasses; chemical goggles or full-face shield may be substituted. Contact lenses should not be worn.

**Eye Wash & Shower Station Requirements:** Should be locally accessible and properly maintained.

**Other Protective Equipment (glove box, ventilation, etc.):** Sufficient local exhaust and ventilation as required to keep airborne concentrations safely below the acknowledged exposure limits.

## Section 9: Physical and Chemical Characteristics

|  |                        |   |                                  |
|--|------------------------|---|----------------------------------|
| <b>Boiling Point (°C):</b>                     | 2230 °C                | <b>Specific Gravity:</b>                  | NA                               |
| <b>Vapor Pressure:</b>                         | NA                     | <b>Melting Point:</b>                     | 1710 °C                          |
| <b>Vapor Density:(Air = 1)</b>                 | NA                     | <b>Evaporation Rate:(Butyl Acetate=1)</b> | NA                               |
| <b>Solubility in Water:</b>                    | Insoluble              | <b>pH:</b>                                | NA                               |
| <b>Freezing Point</b>                          | NE                     | <b>Flash Point (°C):</b>                  | Will not ignite                  |
| <b>Coefficient of Oil/ Water Distribution:</b> | NA                     | <b>Conditions of Flammability:</b>        | Non-flammable                    |
| <b>Odor Threshold:</b>                         | NA                     | <b>Autoignition Temperature (°C):</b>     | NA                               |
| <b>Physical State:</b>                         | Granular solid, Sand   | <b>Explosion Limits:</b> vol.% in air     | <b>LEL:</b> NA<br><b>UEL:</b> NA |
| <b>Appearance: (odor, color, etc.)</b>         | White or Tan, Odorless | <b>VOC Content (g/l):</b>                 | NA                               |

## Section 10: Stability/Reactivity

**Chemical Stability:** ☒ Stable under normal conditions ☐ Unstable

**Conditions to Avoid:** Wet and/or high humidity

**Incompatibility (materials to avoid):** Fluorine, acids, powerful oxidizers

**Hazardous Decomposition Products:** Silica will dissolve in hydrofluoric acid and produce a corrosive gas-silicon tetrafluoride

**Hazardous Polymerization (reactivity):** ☐ Will Occur ☒ Will Not Occur

## Section 11: Toxicological Information

**Acute and Chronic Toxicity:** Data may exist for ingredients previously listed but may or may not apply to this product for amounts contained as a percentage of weight or volume. It is advised that information sources for individual ingredients be consulted for accurate and precise data.

**Listed as Carcinogen/Potential Carcinogen:** This product is not known to be carcinogenic, however some ingredients may be listed by one or more of the agencies below as shown.

**NTP (National Toxicology Program):** Quartz CAS# 14808-60-7, K; respirable fraction

**OSHA (Occupational Health & Safety Administration):** No components listed

**IARC (International Agency for Research on Cancer):** Quartz CAS# 14808-60-7, Ca; respirable fraction

**Reproductive Effects:** ND

**Developmental Effects:** ND

## Section 12: Ecological Information

**Ecotoxicity (effects on plants and animals):** No specific data is currently available for this product.

**Environmental Fate of Material:** No specific data is currently available for this product.

**Section 13: Disposal Considerations**

**Appropriate Waste Disposal Methods:** Consult your local, state or provincial and federal regulations before disposing of any chemicals. Dispose of in accordance with all applicable regulations with regard to precedence.

**Section 14: Transport Information****U.S. Department of Transportation (US DOT)**

- **Proper Shipping Name:** Not Regulated
- **Hazard Class:** None
- **UN Number:** None
- **Packing Group:** None

**TDG (Canadian Ground):** See US DOT

**IMDG (Water):** See US DOT

**ICAO (Air):** See US DOT

**Section 15: Regulatory Information****GLOBAL INVENTORIES**

**TSCA (USA; Toxic Substance Control Act):** All ingredients are listed or exempt from listing in the TSCA Inventory

**DSL (Canada; Domestic Substance List):** Portland Cement CAS# 65997-15-1; Silica, Quartz CAS# 14808-60-7; Fused Calcium Aluminate CAS# 65997-16-2;

**NDSL (Canada; Non-Domestic Substance List):** Not Listed

**ECL (Korea; Established Chemicals List):** Portland Cement CAS# 65997-15-1; Silica, Quartz CAS# 14808-60-7;

**PICCS (Philippines):** Information not currently available

**ENCS (Japan; Established and New Chemicals List):** Portland Cement CAS# 65997-15-1; Silica, Quartz CAS# 14808-60-7;

**IECS (China):** Quartz CAS# 14808-60-7

**EINECS (European Inventory of Existing Commercial Chemical Products):** Portland Cement CAS# 65997-15-1, 266-043-4; Quartz CAS# 14808-60-7, 238-878-4

**SARA Title III (Superfund Amendments & Reauthorization Act)**

- **§313:** Silica, Quartz CAS# 14808-60-7; only in airborne respirable particles
- **§§311/312:** Not an Acute Hazard
- **§302:** Not Extremely Hazardous

**California Proposition 65 (Known to the State of California to cause cancer, birth defects, or other reproductive harm):**  
NONE

**WHMIS (Canadian Workplace Hazardous Material Information System):**

Silica Quartz CAS# 14808-60-7: Classified D2A

**Section 16: Supplemental Information****NFPA (National Fire Protection Agency) 704:**

|                     |                    |
|---------------------|--------------------|
| 0 = Minimal Hazard  | 3 = Severe Hazard  |
| 1 – Slight Hazard   | 4 = Extreme Hazard |
| 2 = Moderate Hazard |                    |

**Health: 0      Fire: 0      Reactivity: 0**

**Disclaimer**

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind, express or implied, is made with respect to the accuracy of the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects, which may be caused by exposure to our products. Customers and users of this product must comply with all applicable health and safety laws, regulations and orders.

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