



**Release Powder**

**Section 1 Product Description**

Product Name: Release Powder  
 Recommended Use: Concrete Pigment / Concrete Additive  
 Supplier: ChemSystems, Inc. 10101 Genard Road Houston, TX 77041  
 P: 800.545.9827 • F: 713.329.9065 [www.chemsystemsinc.net](http://www.chemsystemsinc.net)  
 Emergency Phone: CHEMTRAC 1-800-424-9300

**Section 2 Hazard identification**

Health, Skin corrosion/Irritation, 3  
 Health, Serious Eye Damage/Eye Irritation, 2 B  
 Health, Specific target organ toxicity - Single exposure, 3



**Signal Word**  
Warning

**Hazard Statements**

H316 - Causes mild skin irritation  
 H320 - Causes eye irritation  
 H335 - May cause respiratory irritation

**Precautionary statements**

**Prevention:**

P264 - Wash \_ thoroughly after handling.  
 P284 - Wear respiratory protection.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Note: Product may contain small traces of silica below 1%.  
 Use respiratory protection and hazard controls. Use particulate protection.  
 Gloves and/or skin protection is recommended.  
 Safety glasses or eye protection recommended.  
 Repeat prolonged exposure above the PEL may cause skin, eye and respiratory irritation.  
 May aggravate upper respiratory tract conditions with out respiratory protection.  
 Silica in airborne respirable particulate is known to cause silicosis and lung cancer.  
 Use respiratory protection.

**Section 3 Composition/ Information on Ingredients**

|                               | <u>CAS #</u> | <u>OSHA PEL(TWA)</u>      | <u>ACGIH(TLV-TWA)</u> | <u>Conc.(wt. %)</u> |
|-------------------------------|--------------|---------------------------|-----------------------|---------------------|
| Hydrous Magnesium Silicate    | 14807-96-6   | 2 mg/m3                   | 20 mppcf              | >10                 |
| Calcium Carbonate             | 1317-65-3    | 15 mg/m3 TWA (Total Dust) | 10 mg/m3              | >10                 |
|                               |              | 5 mg/m3 TWA (Respirable)  |                       |                     |
| Inorganic Metal Oxide Mixture | N/A          | N/A                       | N/A                   | >1                  |

\* Denotes reportable chemicals pursuant to SARA title III, section 313

# Safety Data Sheet

## Section 4                    First Aid Measures

### Emergency First Aid Procedures

**Inhalation:** Remove from dusty area to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**Skin:** Wash with soap and water.

**Eyes: Do not rub eyes!** Flush immediately and frequently with large quantities of water, for at least 15 minutes and seek immediate medical attention.

**Ingestion:** Immediately call a physician. Give 2 or 3 glasses of water. Do not induce vomiting.

## Section 5                    Firefighting Procedures

**Suitable Extinguishing Media:** Use of CO<sub>2</sub>, foam or dry chemical water spray during a fire is recommended.

**Unsuitable Extinguishing Media:** N/A

**Flash Point (TCC):** Non-combustible

**Flammable Limits (% volume in air for solvents):** LEL=N/A UEL=N/A

**Special Fire Fighting Procedures:** Use normal fire fighting protective equipment.

## Section 6                    Spill or Leak Procedures

**Steps to Take if Material is Released or Spilled:** Sweep up and place in waste container. Do not discharge into drains or storm water. May cause discoloration of soil and storm water.

## Section 7                    Handling and Storage

**Normal Handling:** Always use good industrial hygiene practices and safety guidelines.

**Storage:** Store material in its original container. Keep containers tightly closed when not in use. Keep material away from open flame, sparks, or other sources of heat and ignition.

**Waste Disposal Method:** Dispose of material in accordance with federal, state, and local guidelines.

**Special Precautions:** Material can be handled as normal solid waste

## Section 8                    Protection Information

**Respiratory Protection:** Use NIOSH respiratory protection, air purifying respirator or dust mask with particulate filtration in accordance with OSHA CFR 29 1910.134 with protection factor as necessary to reduce exposure levels below the PEL.

**Ventilation:** Ventilation recommended, not required.

**Protective Gloves:** Gloves recommended, but optional.

**Eye Protection:** Safety goggles or glasses recommended for dusty conditions.

**Other Protective Clothing or Equipment:** Coveralls or apron to reduce skin contact and keep personal clothing free of dust.

**Work/Hygienic Practices:** Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

## Section 9                    Physical Data

**Appearance:** fine granular solid

**Odor:** Odorless

**Odor Threshold:** Odorless

**pH:** 5-8 pH in water (product is solid)

**Freezing/Melting Point:** N/A

**Boiling Point:** 212 °F

**Flash Point:** N/A

**Evaporation Rate:** <1

**Specific Gravity:** >1

**Flammability (solid, gas):** Not Flammable

**Lower/Upper Flammability:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Bulk Density:** 15.5 – 16.5 weight per gallon

**Solubility:** very slight

**Partition Coefficient:** N/A

**Auto-ignition Temperature:** N/A

**Decomposition temperature:** N/A

**Viscosity:** N/A

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## Section 10            Reactivity Data

**Reactivity:** Stable  
**Conditions to avoid:** Strong oxidizing agents  
**Incompatibility (Materials to Avoid):** N/A  
**Hazardous Decomposition (Byproducts):** CO and CO<sub>2</sub>.  
**Hazardous Polymerization:** None.

## Section 11            Toxicity Data

**Routes of Exposure:** Ingestion, Inhalation, Eyes, and Skin.

### **Inhalation:**

Acute - Airborne dust may cause temporary but reversible respiratory difficulties.  
Chronic – Repeated inhalation excess of Permissible TLV over extended periods of time may result in pulmonary fibrosis.

**Skin Contact:** May be irritating.

**Eye Contact:** May be irritating.

**Ingestion:** Irritation, gagging, coughing, choking.

**Carcinogen:** Not known to be carcinogenic.

**Mutagenicity:** Not know, to be mutagenic.

**Teratogenicity:** not know, to be teratogenic.

**Aggravation of Pre-existing Conditions:** May aggravate existent pulmonary conditions and diseases.

## Section 12            Ecological Data

Ecological testing has not been performed on this product. Dispose of contents and container properly. Do not dump. Contents may cause discoloration in soil and water.

## Section 13            Disposal Information

**Waste Disposal Method:** Dispose of content in accordance with all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off work area, and final rinsing should be absorbed or vacuumed and disposed of in accordance with regulations.

**RCRA:** Not listed.

## Section 14            Transport Information

**UN:** Not Classified

**US DOT:** Not Classified

**UN Shipping Class:** Not Classified

**UN Packing Group:** Not Classified

## Section 15            Regulatory Information

**International Inventories and U.S. Regulations :** All components of this product are listed on or are exempt from the following inventories:

**OSHA hazard category:** Crystalline silica (quartz) is not regulated as a human carcinogen but as a toxic and hazardous substance.

**RCRA** This mixture and or its contents are not a hazardous waste if disposal is required

**CERCLA** Components of this mixture are not CERCLA hazardous substances.

**CONEG** This mixture and or its contents meet the CONEG limits for the sum of the levels of Lead, Cadmium, Mercury, and Hexavalent Chromium of less than 100 PPM by weight.

**RoHS** Product does not contain RoHS restricted substances.

**ODC** This mixture does not contain any Ozone Depleting Compounds.

**TOX** This mixture does not contain any Organic Halogens (EPA 9020)

**CAA of 1990** This mixture is not made with nor does it contain any Class 1 or Class

2 ozone depleting substances as defined under the 1990 amendments to the act.

**SARA (302)** This mixture does not contain any constituents that are identified as extremely hazardous.SARA (302)

**SARA (311/312)** Portland cement qualifies as a hazardous substance with delayed health effects. Portland cement may contain crystalline silica which is classified by the IARC as a known carcinogen. Some studies indicate potential for lung cancer or lung injury including silicosis. Reportable in quantities over 10,000 lbs.

**CA Prop 65** This product contains a chemical(s) known to the state of California to cause cancer and/or birth defects or other reproductive harm. Pursuant to the California Safe Drinking Water and Toxic Enforcement Act of 1986, we are required to provide the above warning in the absence of definitive testing showing that risks from long-term exposure to chemicals present in our formulations do not exist. To the best of our knowledge, this product complies with all Federal and State laws and regulations governing its manufacturing, distribution, and intended use.

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### **Section 16** Additional Information

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

**DISCLAIMER:** Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, manufacturer makes no representations as to the completeness or accuracy thereof.