

# Diamond-Cap Material Safety Datasheet



## DIAMOND-CAP

**Manufacturer's Name**  
CMP Specialty Products

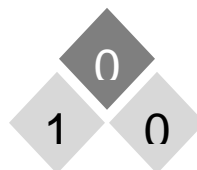
**Emergency Phone Number**  
215.672.6364

**Address (Number, Street, City, and Zip)**  
PO Box 213 Horsham, PA 19044

**Fax Number:**  
215.672.6384

**Preparation Date**  
January 2010

**NFPA Ratings (Scale 0-4)**



Health = 1  
Fire = 0  
Reactivity = 0

**HMS Ratings (Scale 0-4)**

Health = 1
Fire = 0
Reactivity = 0

Health = 1  
Fire = 0  
Reactivity = 0

### Section II – Hazardous Ingredients / Identity Information

Hazardous Components (Specify Chemical Identity: Common Name(s)) OSHA PEL ACGIH TLV other limits recommended % (optional)

<u>CAS Number</u>	<u>WT %</u>	<u>Material</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
65997-15-1	5-10 %	Portland Cement	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
65997-16-2	10-30 %	Calcium Aluminate	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
2388-78-4	40-55 %	Quartz	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
108-05-4	0.5-10 %	Vinyl Acetate Polymer	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
65996-69-2	10-30 %	Slag (Recycled By-Product)	N/A	N/A

### Section III - Physical/Chemical Characteristics

<b>Boiling Point</b> N/A	<b>Specific Gravity (H<sub>2</sub>O = 1)</b> 1.0	<b>Vapor Pressure (mm Hg.)</b> N/A
<b>pH (wet state)</b> 11	<b>Vapor Density (AIR = 1)</b> N/A	<b>Solubility in Water</b> Less than 0.1%
<b>Melting point</b> N/A	<b>Evaporation Rate</b> N/A	<b>Appearance and Odor</b> Fine Gray Powder Low odor

### Section IV - Fire and Explosion Hazard Data

<b>Flash Point Flammable</b> Non-Flammable	<b>Limits</b> Non-Flammable	<b>LEL/UEL</b> N/A
<b>Extinguishing Media</b> Will Not Burn	<b>Special Fire Fighting Procedures</b> None	<b>Unusual Fire &amp; Explosion Hazards</b> None

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## Section V - Reactivity Data

<b>Stability</b> Stable	<b>Conditions to Avoid</b> N/A None	<b>Incompatibility (Materials to Avoid)</b> Known
<b>Hazardous Decomposition</b> Will not occur	<b>Hazardous Polymerization</b> Will not occur	<b>Conditions to Avoid</b> N/A

## Section VI - Health Hazard Data

### ACUTE:

#### EYES:

Contact with eyes will cause irritation and possible corrosion damage and burning. Particulates can also cause mechanical irritation.

#### SKIN:

When mixed with water, direct contact with skin can cause irritation. If irritation occurs, rinse with water until free of material, then wash skin thoroughly with soap and water. May dry skin.

#### INHALATION:

Inhalation of dust from this product can irritate nose, throat, lungs and upper respiratory tract. Persons that are subject to a large amount of dust, remove subject to fresh air. Respiratory symptoms can occur such as coughing, sneezing and nasal irritation.

#### INGESTIONS:

May be corrosive to the digestive tract.

### CHRONIC:

#### EYES:

Conjunctivitis and Keratitis, may developed after repeated contact with eyes.

#### SKIN:

Prolonged contact may cause dermatitis and drying of skin.

#### INHALATION:

Conditions such as bronchitis and emphysema have been reported after many years of exposure to Portland cement. Prolonged and repeated exposure to quartz can result in lung disease (i.e., Silicosis) and/or lung cancer.

### Emergency and First Aid Procedures

**EYES:** Immediately flush eyes thoroughly with large amounts of water for 20 minutes, including upper and lower lids.

**SKIN:** Promptly wash with water and soap for at least 15 minutes or longer, depending on the concentration, amount and duration of exposure. If irritation persists after washing, consult a physician.

**INHALATION:** Remove subject to fresh air until irritation subsides, so if conditions warrant, consult a physician.

**INGESTION:** Seek medical attention immediately.

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**Signs and Symptoms of Exposure:** Exposure to skin or eyes may cause rash or irritation. Inhalation may cause cough, shortness of breath, wheezing and reduced pulmonary function.

**Medical Conditions Generally Aggravated by Exposure:** Persons with allergies to Portland cement or individuals with respiratory disease or subject to eye irritation should not be exposure to this product.

**MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:** Pre-existing upper respiratory and lung diseases such as, but no limited to, bronchitis, emphysema and asthma.

**PRIMARY ROUTES OF ENTRY:** Inhalation, eyes and/or skin contact, ingestion.

## Section VII - Precautions for Safe Handling and Use

### Steps to Be taken in Case Material is Released or Spilled:

Spills should be swept up and contained in a waste container for disposal. Do not flush down drains. If washed down, it may plug drains. If already mixed with water, scrape up and place in a container. Wear appropriate protective equipment.

### Waste Disposal Method:

Dispose of in accordance with all applicable local, State/Provincial and Federal regulations.

### Precautions to Be Taken in Handling and Storing:

Store in a cool, dry area. Take precautions to avoid bag breakage, subsequent spillage of material and dust creation.

## Section VIII - Control Measures

### Respiratory Protection:

Wear proper respiratory protection during mixing and during sanding if needed. Provide general ventilation and local exhaust ventilation to meet TLV requirements of individual ingredients and to control dusting conditions. Wear a NIOSH/MSHA approved respirator in poorly ventilated dusty areas and/or if TLV is exceeded. Refer to the most recent standards of ANSI (Z88.2), OSHA (29 CFR 1910.134), MSHA (30 CFR PARTS) and NOISH respirator decision logic.

### Ventilation:

Ventilate to keep exposures below TLV. General ventilation is expected to be satisfactory in most cases. Use local exhaust ventilation if necessary to control dust.

### Protective Gloves:

Recommended

### Eye Protection:

Recommended