

# Safety Data Sheet- Portland Cement( Type I/II, III)

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Continental Cement Company, L.L.C.  
10107 Hwy 79 South  
Hannibal, MO 63401  
Phone: 573.221.1740  
Fax: 573.221.8487



## Safety Data Sheet For Portland Cement( Type I/II,III)

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### Section 1 – Product and Company Information

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#### 1.1 Product Identifier

Identity: Portland Cement( Type I/II, III)

Synonyms: Portland Cement

#### 1.2 Identified Use

Use: Acts as a binding agent in concrete and mortar work.

**Manufacturer Name:** Continental Cement

**Address:** 10107 Highway 79  
Hannibal, Mo. 63401

**Transportation Emergency Telephone #'s:**

Day Time: 573.221.1740

Night Time: 573.221.1740

**Telephone #**

**for Information:** 573.221.1740

**Website:** [www.continentalcement.com](http://www.continentalcement.com)

Last Updated: 4/27/15

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### Section 2 – Hazardous Identification

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#### 2.1- Classification of the Substance or Material

GHS-US Classification-(Category)

Acute Toxicity Oral: 4

Acute Toxicity Dermal: 4

Skin Corrosion/Irritation: 1B

Eye Damage: 1

Respiratory Sensitization: 1

Skin Sensitization: Category 1

Carcinogenicity: 1A

Specific Target Organ Toxicity: 3

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## 2.2 Label Requirements

### Symbol(s)



**Signal Word: Danger**

### **Hazard Statements:**

- H 302: Harmful if Swallowed
- H312: Harmful in Contact With Skin
- H314: Causes Severe Skin Burns and Eye Damage
- H318: Causes Serious Eye Damage
- H335: May Cause Allergy or Asthma Symptoms or Breathing Difficulties if Inhaled
- H317: May cause an Allergic Reaction
- H350: May Cause Cancer

### Precautionary Statements

#### Prevention Statements

- P264: Wash thoroughly after handling
- P270: Do not eat, drink, or smoke when using this product
- P280: Wear protective gloves, protective clothing, eye protection, face protection
- P361: Remove contaminated clothing and wash before reuse
- P201: Obtain special instructions before use
- P260: Do not breathe dusts
- P271: Use outdoors or in a well-ventilated area
- P284: In case of inadequate ventilation: Use Respiratory Protection

#### Response Statements

- P301+P330+P331: If Swallowed: Rinse Mouth. Do NOT induce vomiting. Immediately call a poison center/physician
- P303+P361+P353: If on Skin(or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Contact a poison center/physician if needed
- P304+P 340+P312: If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338: If in eyes: Rinses cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. Immediately call a poison center/doctor

#### Storage Statements

- P403: Store in a well-ventilated place
- P403+P233: Store in a well-ventilated place. Store in an appropriate container or containment

#### Disposal Statements

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- Dispose of contents and containers in accordance with local, state, and federal Regulations

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## Section 3 – Composition/Information on Ingredients

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CAS #	Component	Percent
65997-15-1	Cement, Portland, Chemicals	90-95
13397-24-5	Gypsum	6-8
1317-65-3	Limestone	0-15
14808-60-7	Quartz	0-0.1

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## Section 4 – First Aid Measures

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### **4.1 First Aid:**

First-aid measures after eye contact: Rinse eyes immediately with water for 15 minutes. Continue rinsing for several minutes to ensure particle removal. Get medical consultation immediately

First-aid measures after skin contact: Flush skin with water immediately. Remove contaminated clothing. Seek medical attention immediately.

First-aid measures after ingestion: Do not induce vomiting. Contact poison center/physician immediately

First-aid measures after inhalation: Remove victim to fresh air. Contact medical personnel immediately

### **4.2 Important Symptoms or Effects**

Inhalation: Difficulty Breathing, Respiratory Irritation

Skin Contact: Burns, Pain, Blisters

Eye Contact: Burn, Pain, Discomfort, Severe Eye Damage

Ingestion: Nausea, Vomiting

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## Section 5 – Firefighting Measures

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**Extinguishing Equipment:** Suitable media to extinguish surrounding environment

**Hazardous Combustion Products:** None

**Fire Hazard:** Product does not burn

**Hazardous Decomposition or Byproducts:** None spontaneously.

**Firefighting Instructions:** Wear appropriate firefighting equipment

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## Section 6 – Accidental Release Measures

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**General Measures:** Use personal protective equipment outlined in Section VIII

**Containment:** Stop the spill in a safe manner

**Clean-Up:** Collect the material and place in containers. Ensure that dust generation is down to a minimum due to the hazards of the dust.

**Environmental:** Ensure product is quickly swept up to ensure cement does not go into waterways.

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## Section 7 – Handling and Storage

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### **Handling Procedures:**

Avoid skin and eye contact with the material or breathing the dust. Wear appropriate personal protective equipment as described in Section VIII. Wash thoroughly after exposure to product. Product is an engulfment hazard if stored in large enough container.

### **Storage Procedures:**

Store in a cool, dry environment where only authorized personnel has access to.

### **Precautions to Be Taken for Handling and Storing:**

Protect against physical damage. Store the material in a cool, dry well-ventilated location.

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## Section 8 – Exposure Control/Personal Protection

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### **Control Parameters:**

*Cement, Portland, Chemicals ( CAS # 65997-15-1)*

- ACGIH(US): 1 mg/m<sup>3</sup> TWA(respirable fraction)
- OSHA(US) PEL: 15 mg/m<sup>3</sup> TWA(Total Dust), 5 mg/m<sup>3</sup>(respirable fraction)
- NIOSH(US): 10 mg/m<sup>3</sup> TWA(Total Dust), 5 mg/m<sup>3</sup>(respirable fraction)

*Limestone(CAS # 1317-65-3)*

- ACGIH(US): 10 mg/m<sup>3</sup>
- OSHA(US): 15 mg/m<sup>3</sup> TWA (Total dust), 5 mg/m<sup>3</sup> TWA(respirable fraction)

*Gypsum(CAS #13397-24-5)*

- OSHA(US) PEL: 15 mg/m<sup>3</sup> TWA(Total Dust), 5 mg/m<sup>3</sup>(respirable fraction)
- NIOSH(US): 10 mg/m<sup>3</sup> TWA(Total Dust), 5 mg/m<sup>3</sup>(respirable fraction)

*Quartz( CAS # 14808-60-7)*

- ACGIH(US) 0.025 mg/m<sup>3</sup> TWA (Respirable Dust)
- NIOSH(US): 0.05 mg/m<sup>3</sup> (respirable dust)

### **Exposure Controls:**

#### **Engineering:**

Provide exhaust or local ventilation or other engineering controls to keep the airborne concentrations of dust below their respective threshold limit value if needed.

#### **Respiratory Protection (Specify Type):**

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Use local/general ventilation if possible. In situations with poor ventilation, use a NIOSH approved respirator or dust mask to protect against the inhalation of dust.

***Protective Gloves:***

Suitable Gloves

***Eye Protection:***

Use chemical safety glasses/goggles and/or a full face shield.

***Other Protective Clothing or Equipment:***

Wear impervious protective clothing, including boots, gloves, and coveralls, as appropriate, to prevent skin contact. Structural firefighters protective clothing will only provide limited protection.

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## **Section 9 – Physical and Chemical Properties**

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Appearance: Solid, grey to white powder

Upper Flammability: no data available

Lower Flammability: No data available

Odor: no observable odor

Vapor Pressure: no data available

Vapor Density: no data available

pH: 12-14

Relative Density: no data available

Melting Point: no data available

Freezing Point: no data available

Solubility: Slight

Initial Boiling point: no data available

Boiling Range: no data available

Flash Point: no data available

Evaporation Rate: no data available

Flammability: not flammable

Vapor Pressure: no data available

Vapor Density: no data available

Relative Density: no data available

Solubility: no data available

Partition Coefficient: no data available

Auto ignition Temperature: no data available

Decomposition Temperature: no data available

Viscosity: no data available

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## **Section 10 – Stability and Reactivity**

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### 10.1 Reactivity

No dangerous reactions should take place under intended use. Do not mix with other chemicals

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### 10.2: Stability

Stable under normal dry storage conditions

### 10.3 Conditions to Avoid

Any unintended contact with water.

### 10.4 Incompatible Materials

None Known

### 10.5 Hazardous Decomposition Products

None Known

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## Section 11 – Toxicological information

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### Quartz(14808-60-7)

LD50 oral rat=500 mg/kg

IARC Group=1

NTP Status=2

### Limestone(1317-65-3)

LD50 Oral Rat=6450 mg/kg

### Portland Cement(65997-15-1)

IDLH=5000 mg/m<sup>3</sup>

Routes of Exposure: Skin and eye contact, inhalation, and ingestion.

Specific Target Organ Toxicity (single exposure): respiratory irritation

Skin corrosion/irritation: Severe burns

Eye Damage/Irritation: Serious eye damage

Respiratory/Skin Irritation: allergic skin reaction, Respiratory tract irritation

Carcinogenicity: Can cause cancer (Quartz)

Symptoms after contact related to exposure/toxicological characteristics

Skin Contact: Burns, irritation, blisters, rash, pain and discomfort

Eye Contact: Burn, eye damage, redness, excessive watering of eye

Ingestion: Nausea, Vomiting

Inhalation: Irritation of the respiratory tract

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## Section 12 – Ecological Information

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### 12.1 Toxicity

No information is available

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## 12.2 Persistence and Degradability

No data Available

## 12.3 Bio-accumulative potential

No data available

## 12.4 Mobility in Soil

No data available

## 12.5 Other Adverse Effects

No data available

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## Section 13 – Disposal Considerations

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### 13.1 Waste Treatment Methods

Disposal Recommendations: Dispose material in accordance with any applicable local, state, and Federal regulations

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## Section 15 – Regulatory Information

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### 15.1 US Federal Regulations

Cement, Portland, chemicals (65997-15-1): Listed on US TSCA (Toxic Substance Control Act) Inventory

Limestone (1317-65-3): Listed on US TSCA (Toxic Substance Control Act) Inventory

Quartz (14808-60-7): Listed on US TSCA (Toxic Substance Control Act) Inventory

### 15.2 State Regulations

State or Local Regulations: Product contains quartz or crystalline silica and trace amounts of other chemicals known to the State of California as causing cancer, birth defects, and/or reproductive harm

#### Quartz (14808-60-7)

California Proposition 65- Carcinogens List	California Proposition 65- Developmental Toxicity	California Proposition 65- Reproductive Toxicity-Female	California Proposition 65- Reproductive Toxicity Male	No Significance Risk Level(NSRL)
Yes	No	No	No	No

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## Section 16 – Other information

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SDS was prepared according to the Hazard Communication Standard (CFR 29 1910.1200)

Prepared 4/27/2015