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)

Section 1 – Product and Company Information
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

Section 2 – Hazardous Identification

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
2.2 Label Requirements
Symbol(s)

Signal Word: Danger
Hazard Statements:
- H302: 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+P340+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
Safety Data Sheet- Portland Cement (Type I/II, III)

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

Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>65997-15-1</td>
<td>Cement, Portland, Chemicals</td>
<td>90-95</td>
</tr>
<tr>
<td>13397-24-5</td>
<td>Gypsum</td>
<td>6-8</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Limestone</td>
<td>0-15</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz</td>
<td>0-0.1</td>
</tr>
</tbody>
</table>

Section 4 – First Aid Measures

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

Section 5 – Firefighting Measures

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

Section 6 – Accidental Release Measures
**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**

**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**

**Control Parameters:**

- **Cement, Portland, Chemicals (CAS # 65997-15-1)**
  - ACGIH(US): 1 mg/m³ TWA (respirable fraction)
  - OSHA(US) PEL: 15 mg/m³ TWA (Total Dust), 5 mg/m³ (respirable fraction)
  - NIOSH(US): 10 mg/m³ TWA (Total Dust), 5 mg/m³ (respirable fraction)

- **Limestone (CAS # 1317-65-3)**
  - ACGIH(US): 10 mg/m³
  - OSHA(US): 15 mg/m³ TWA (Total dust), 5 mg/m³ TWA (respirable fraction)

- **Gypsum (CAS #13397-24-5)**
  - OSHA(US) PEL: 15 mg/m³ TWA (Total Dust), 5 mg/m³ (respirable fraction)
  - NIOSH(US): 10 mg/m³ TWA (Total Dust), 5 mg/m³ (respirable fraction)

- **Quartz (CAS # 14808-60-7)**
  - ACGIH(US) 0.025 mg/m³ TWA (Respirable Dust)
  - NIOSH(US): 0.05 mg/m³ (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):**
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**

- **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**

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

Section 11 – Toxicological information

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/m³

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

Section 12 – Ecological Information

12.1 Toxicity
No information is available
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

**Section 13 – Disposal Considerations**

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

**Section 15 – Regulatory Information**

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

<table>
<thead>
<tr>
<th>California Proposition 65-Carcinogens List</th>
<th>California Proposition 65-Developmental Toxicity</th>
<th>California Proposition 65-Reproductive Toxicity-Female</th>
<th>California Proposition 65-Reproductive Toxicity-Male</th>
<th>No Significance Risk Level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Section 16 – Other information**

SDS was prepared according to the Hazard Communication Standard (CFR 29 1910.1200)
Prepared 4/27/2015