Safety Data Sheet

Calcium Carbonate (Marble Powder)

Date of Preparation: 6/8/15

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Calcium Carbonate
Synonyms: Ground Limestone, Marble Dust, Marble Powder
General Use: Filler or extender

Manufacturer: EnvironMolds, LLC
18 Bank Street, Suite 1
Summit, NJ 07901
Phone: (908) 273-5401

Emergency Phone: (908) 273-5401 Mon-Sat 8:00AM-8:00PM
Date Revised: 6/8/15
Preparer: EJM

Section 2 - Hazards Identification

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Potential Health Effects

Warning: Irritant
R-phrase: R36/37/39 Irritating to eyes/respiratory system/skin.

Primary Entry Routes: Skin, Eye, and Inhalation.

Acute Effects
- **Inhalation:** Inhalation of high concentrations of this inert nuisance particulate can result in mild irritation of the respiratory tract.
- **Eye:** May cause irritation through mechanical abrasion.
- **Skin:** May cause irritation through mechanical abrasion.

Ingestion: Ingestion of very large quantities may result in intestinal obstruction and/or constipation.

Carcinogenicity: IARC, NTP has listed crystalline silica as a human carcinogen.

Chronic Effects: This product contains crystalline silica (quartz) as an impurity. Prolonged exposure to respirable crystalline silica dust concentrations exceeding occupational exposure limits may increase the risk of developing a disabling lung disease called silicosis. Calcium Carbonate is not listed as a carcinogen by OSHA, NTP, or IARC.

Section 3 - Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Crystalline Silica</td>
<td>14808-60-7</td>
</tr>
</tbody>
</table>

Trace Impurities:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>15 mg/m³ total dust</td>
<td>none estab.</td>
</tr>
<tr>
<td></td>
<td>5 mg/m³ respirable</td>
<td></td>
</tr>
<tr>
<td>Crystalline Silica</td>
<td>10 mg/m³ respirable dust</td>
<td>none estab.</td>
</tr>
</tbody>
</table>

*Calcium Carbonate products may contain crystalline silica up to 0.75% max and varies naturally.

Note: Calcium carbonate products may contain trace amounts of naturally occurring elements that are regulated in some states. These materials and their typical levels are as follows: Lead at less than 1 ppm, Arsenic at less than 1 ppm.

Section 4 - First Aid Measures

**Inhalation:** If overcome by high dust concentrations, remove to a ventilated area.

**Eye Contact:** Flush eyes thoroughly for 15 minutes taking care to rinse under eyelids. Do not rub. Abrasion may cause irritation. If discomfort continues, continue to wash with water. If irritation persists, consult a physician.

**Skin Contact:** Wash skin thoroughly with soap and water for at least 15 minutes. Consult a physician if irritation persists.

**Ingestion:** Considered to be of very low toxicity.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*
Medical Conditions Aggravated by Exposure: Respiratory conditions, dermatitis.

**Section 5 - Fire-Fighting Measures**

Flash Point: None known.
Flash Point Method: n/a
Burning Rate: Not determined.
Auto-ignition Temperature: Not determined.
Flammability Classification: Non-flammable.
Extinguishing Media: Use appropriate extinguishing media for surrounding fire.
Unusual Fire or Explosion Hazards: None known.
Hazardous Combustion Products: None.
Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.

**Section 6 - Accidental Release Measures**

Spill /Leak Procedures: Vacuum, pump, or scoop spilled material into containers for reclaiming or disposal. Spilled materials may cause slippery conditions when wet. Care should be exercised when walking on spills on floors or concrete pads.
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

**Section 7 - Handling and Storage**

Handling Precautions: Avoid generating dust during handling.
Storage Requirements: S3/S8: Store in a cool, dry location. Keep away from acids.

**Section 8 - Exposure Controls / Personal Protection**

Engineering Controls:
Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
Administrative Controls:
S36/37/39: Wear suitable protective clothing, gloves, and eye protection.
Respiratory Protection: If required use a MSHA/NIOSH or OSHA/NIOSH approved respirator.
Protective Clothing/Equipment: Wear side shield safety glasses. Rubber gloves are recommended for prolonged exposure.
Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
Comments: S20/21 Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

**Section 9 - Physical and Chemical Properties**

Physical State: white powder
Appearance and Odor: white odorless powder
Odor Threshold: n/e
Vapor Pressure: n/e
Vapor Density (Air=1): n/a
Formula Weight: n/a
Density: n/e
Specific Gravity (H2O=1, at 4 °C): varies
pH: 9-10
Water Solubility: 1.4 mg/100ml @25C
Other Solubilities: n/a
Boiling Point: n/a
Freezing/Melting Point: 825C
Viscosity: n/a
Refractive Index: n/a
Surface Tension: n/a
% Volatile: n/a
Evaporation Rate: n/a

**Section 10 - Stability and Reactivity**

Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.
Polymerization: Hazardous polymerization cannot occur.
Chemical Incompatibilities: S14 Keep away from strong acids. Calcium Carbonate will react with strong acids to form carbon dioxide. Reacts with aluminum and ammonium salts.
Conditions to Avoid: None known.
Hazardous Decomposition Products: Decomposes at 825C. Produces corrosive fumes of calcium oxide.
### Section 11 - Toxicological Information

**Eye Effects:** May cause mechanical irritation. 
Severe eye irritant.

**Skin Effects:** May aggravate existing dermatitis. 
Moderate skin irritant.

**Acute Inhalation Effects:** May aggravate existing asthmatic or respiratory conditions.

**Acute Oral Effects:** Oral LD(_50_) in rats: 6450mg/kg.

**Chronic Effects:** Prolonged exposure to respirable crystalline silica dust concentrations exceeding occupational exposure limits may increase the risk of developing a disabling lung disease called silicosis.

**Carcinogenicity:** Crystalline silica is listed as a human carcinogen.

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### Section 12 – Ecological Information

No information available.

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### Section 13 – Disposal Considerations

**Disposal:** Recycle if possible or landfill. This substance is inert and does not require special disposal methods. Follow applicable Federal, state, and local regulations.

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### Section 14 – Transport Information

**DOT Transportation Data (49 CFR 172.101):** This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

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### Section 15 – Regulatory Information

**EPA Regulations:**
- RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
- RCRA Hazardous Waste Classification (40 CFR 261.??): Not classified
- CERCLA Hazardous Substance (40 CFR 302.4) Not listed
- SARA Toxic Chemical (40 CFR 372.65): Not listed
- SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed
- Crystaline Silica is subject to the reporting requirements of California’s Safe Drinking Water and Toxic Enforcement Act of 1986 (“Proposition 65”).

**OSHA Regulations:**
- Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

**TSCA**
- Section 8(b): Present
- Section 8(a): This substance is listed as a partially exempt chemical substances under 40CFR710.46(b)(2).

**FDA** - Food Additives Generally Recognized as Safe (GRAS): 21CFR184.1409

**INTERNATIONAL REGULATIONS**
- Australia: Listed on AICS.
- Canada: Listed on NDSL.
- China: Listed on IECSC.
- Europe: Listed on EINECS # 215-279-6. 
  - EU-Existing Substance Regulation 793/93/EEC-Evaluation of Existing HPV Chemicals: Exempt
- Japan: Listed on ENCS.
- Korea: Listed on ECL # KE-21996.
- New Zealand: Listed on NZIoC.
- Philippines: Listed on PICCS.
- Taiwan: Listed on NECI.
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