**IDENTITY CHEMICAL FAMILY:** (As Used on Label and List) Paragon Aggregate Mortar
Supermix, Kwikmix

**Note:** Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### SECTION I

**Manufacturer's Name:**
Paragon Aggregate Products Co. Inc.
5420 W Bethany Home Rd
Glendale, AZ 85301

Paragon Aggregate Products Co. Inc.
2305 S Roof Tile Rd
Casa Grande, AZ 85193

**Glendale Emergency Number**
623-435-8271

**Glendale Information Number**
623-435-8271 (Optional)

**Casa Grande Emergency Number:**
520-836-6454

**Casa Grande Information Number:**
520-836-0696

### SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>CAS#</th>
<th>% Optional</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>Vapor Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Mg / M3</td>
<td>Mg / M3</td>
<td>(MM HG)</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td></td>
<td>10 mg / m3</td>
<td>5 mg / m3</td>
<td>N/A</td>
</tr>
<tr>
<td>Calcium Hydroxide</td>
<td>1305-62-0</td>
<td></td>
<td>5 mg / m3</td>
<td>5 mg / m3</td>
<td>N/A</td>
</tr>
<tr>
<td>Silica Sand, Crystalline</td>
<td>14808-60-7</td>
<td></td>
<td>0.1 mg / m3</td>
<td>10 mg / m3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

May contain one or more of the following ingredients:
- Pulverize Limstone
- Iron Oxide Pigments
- 01332-58-7
- 01317-65-7
- 01309-37-1

Other Limits: National Institute for Occupational Safety and Health (NIOSH). Recommended standard maximum permissible concentration = 0.05mg/m3 (respirable free silica) as determined by full-shift sample up to 10 hour working day, 40 hour work week. See NIOSH Criteria for Recommended Standard Occupational Exposure to Crystalline Silica.

### SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>2700 °F</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>N.A.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (butyl Acetate = 1)</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

Solubility in Water: Slight

Appearance and Odor: Grey granular and odorless

### SECTION IV / FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Extinguishing Media</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Fire-fighting Procedures</td>
<td>N/A</td>
</tr>
<tr>
<td>Unusual Fire Explosion Hazards:</td>
<td>None</td>
</tr>
</tbody>
</table>
**Paragon Aggregate Mortar**

**SECTION V / REACTIVITY DATA**

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

**Health Hazards (Acute and Chronic)**

**Mild to moderate corrosive:** Avoid skin and eye contact, as irritation will occur. Inhalation can cause coughing, sneezing, or breathing problems.

**Carcinogenicity:**

- Ca. Prop 65: known Carcinogen
- NTP?: Known as Carcinogen
- IARC Monographs?: Group I Carcinogen
- OSHA Regulated?: Not listed as Carcinogen

**Signs and Symptoms of Exposure:** Symptoms of excessive exposure to the dust include shortness of breath and reduced pulmonary function. Excessive exposure to skin and eyes especially when mixed with water can cause caustic burns as severe as third degree.

**Acute Exposure:** Product becomes alkaline when exposed to moisture. Exposures can dry the skin, cause alkali burn and affect mucous membranes. Dust can irritate the eyes and upper respiratory system. Toxic effects noted in animals include, for acute exposure, alveolar damage with pulmonary edema.

**Chronic Exposure:** Dust can cause inflammation of the lining of the tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis. Respirable crystalline silica quartz can cause silicosis, a fibrosis (scarring) of the lungs and possibly cancer. There is evidence that exposure to respirable silica or the disease silicosis is associated with an increased incidence of Scleroderma, Tuberculosis and kidney disorders.

**NTP:** The National Toxicology Program. in its "Ninth Report On Carcinogens" (released May 15, 2000) concluded that "respirable crystalline silica (RCA). primarily quartz dust occurring in industrial and occupational setting, is known to be human carcinogen, based on sufficient evidence of carcinogenicity from studies in humans indicating a casual relationship between exposure to RCS and increased lung cancer rates in workers exposed to Crystalline silica dust (reviewed in AIC 1997; Brown et al., 1997)

**IACR:** The International Agency for Research on Cancer ("IARC") concluded that there was sufficient evidence for humans to the carcinogenicity of crystalline silica in the forms of quartz of cristoblite from occupational sources, and that there is "sufficient evidence in experimental animals for the carcinogenicity of quartz or cristobalite" The overall IARC evaluation was that silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogens to humans (Group I) "The evaluations noted that " carcinogenicity was not deducted in all Industrial circumstances or studies. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distributions of polymorphs" For further information on IARC evaluations see IARC Monographs on the evaluations of carcinogenic Risk to Humans, Volume 68" Silica, some Silicates..." (1997)

**Medical Condition:**

**General Aggavated by Exposure:** Individual with sensitive skin and with pulmonary and/or respiratory diseases, including, but not limited to, asthma and bronchitis, or subjected to eye irritations, should be precluded from exposure. Exposure to crystalline silica or the disease silicosis is associated with increased incidence of scleroderma, tuberculosis and possibly increased incidence of lesions.
Paragon Aggregate Mortar

Emergency and First Aid Procedures:

**Eyes:** Immediately flush eyes thoroughly with water for 15 minutes, including under lids to remove all particles. Call physician immediately.

**Skin:** Wash skin with cool water and PH neutral soap or mild detergent. Seek medical treatment if irritations or inflations develops or persists. Seek immediate medical treatment in the event of burns.

**Inhalations:** Remove person from area to a location with fresh air. If breathing is difficult administer oxygen. If not breathing, give artificial respiration. Seek medical help if coughing and other symptoms do not subside. Inhalations of large amount of cement require immediate medical help.

**Ingestion:** Do not induce vomiting. If conscious, have the victim drink plenty of water and call physician immediately.

SECTION VII / PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: **Sweep up, vacuum, flush with water. Use adequate ventilation.**

Waste Disposal Method: The packaging and material may be land filled; however, materail should be covered to minimize generation of airborne dust. This product in NOT classified as a hazardous waste under RCRA or CERCLA. Dispose of in accordance with Federal, State and local regulations.

Precautions to be Taken in Handling and Storage: Avoid contamination with moisture, store dry and in original closed container. Discard broken bags. Use before one year from purchase date.

SECTION VII CONTROLS MEASURES

Respiratory Protection (Specify Type)
In confined area use respirator NR 8500 (3M Co.) NIOSH approved #TC-21-C-138

Protective Gloves: The use of barrier cream or impervious (Rubber Gloves) glove, boots and clothing to protect skin from contact is recommened. Following work workers should shower with soap and water. Precautions must be observed because burns occur with little warning - little heat is sensed.

Other Protective Clothing or Equipment: Wear tight fitting Safety goggles.

Work/Hygienic Practices: Eye wash and shower station should be readily avaiable.

NOTE: THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CORRECT. HOWEVER NO GUARANTEE OR WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN. WE ACCEPT NO RESPONSIBILITY AND DISCLAIMER ALL LIABILITY FOR ANY HARMFUL EFFECTS WHICH MAY BE CAUSED BY EXPOSURE TO SILICA CONTAINED IN OUR PRODUCT.