**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1. **Product identifier**
   - Product name: Kolorstone Classic

1.2. **Relevant identified uses of the substance or mixture and uses advised against**
   - Use of the substance/mixture: Construction

1.3. **Details of the supplier of the safety data sheet**
   - ASH GROVE PACKAGING GROUP
     - 10809 Executive Center Drive, Ste. 321
     - Little Rock, AR 72211
     - Phone: (888) 289.1117
     - Fax: (501) 224.3882
     - www.ashgrovepkg.com

1.4. **Emergency telephone number**
   - Emergency number: (501) 224.3372
   - CHEMTREC: 1-800-424-9300

**SECTION 2: Hazards identification**

2.1. **Classification of the substance or mixture**
   - **GHS-US classification**
     - Skin Irrit. 2. - H315
     - Eye Dam. 1. - H318
     - STOT RE 1. - H372

2.2. **Label elements**
   - **GHS-US labelling**
     - Hazard pictograms (GHS-US):
       - ![Hazard pictogram]

   - **Signal word (GHS-US):** Danger
   - **Hazard statements (GHS-US):**
     - H315 - Causes skin irritation.
     - H318 - Causes serious eye damage.
     - H372 - Causes damage to lungs through prolonged or repeated exposure via inhalation.
   - **Precautionary statements (GHS-US):**
     - P260 - Do not breathe dust.
     - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
     - P285 - In case of inadequate ventilation wear respiratory protection.
     - P301+P335 - IF SWALLOWED: Rinse mouth or gastric lavage.
     - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. **Other hazards**
   - No additional information available

2.4. **Unknown acute toxicity (GHS US)**
   - No data available

**SECTION 3: Composition/information on ingredients**

3.1. **Substances**
   - Not applicable

3.2. **Mixture**
   - Name                              | Product identifier       | %
   - Portland cement                  | (CAS No.) 65997-15-1     | 18-40%
   - Crystalline silica (quartz)      | (CAS No.) 14808-60-7     | 35-80%

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**
   - First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact: Wash contact area with plenty of water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact: Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion: Rinse mouth. Call a POISON CENTER/doctor/physician if you feel unwell. Do NOT induce vomiting. Obtain emergency medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Unsuitable extinguishing media: No data available.

5.2. Special hazards arising from the substance or mixture
No additional information available

5.3. Advice for firefighters
Firefighting instructions: Use extinguishing media appropriate for surrounding fire. Keep container cool by spraying with water. Exercise caution when fighting any chemical fire. Avoid releasing fire-fighting water into the environment.
Protection during firefighting: Do not enter fire area without proper protective equipment, including self-contained breathing apparatus apparatus operated in a positive pressure mode with full facepiece and impervious gear such as fire coat, pants, gloves and boots.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment: Equip cleanup crew with proper protection.
Emergency procedures: Ventilate area if possible.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Collect dry material using a scoop. Avoid creation of airborne dust. Avoid inhalation of dust and contact with skin. Scrape up wet material and place in an appropriate container. Allow material to dry before disposal. Do not wash material down drains.

6.4. Reference to other sections
See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Avoid skin and eye contact. Do not breathe dust. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of airborne dust. Keep containers sealed when not in use.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Keep product dry until used.
Incompatible products: No data available.
Incompatible materials: Hydrofluoric acid, fluorine, chlorine trifluoride, oxygen difluoride

7.3. Specific end use(s)
No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV (TWA)</th>
<th>OSHA PEL (TWA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portland cement (65997-15-1)</td>
<td>1 mg/m³ respirable fraction</td>
<td>15 mg/m³ total dust 5 mg/m³ respirable fraction</td>
</tr>
<tr>
<td>Crystalline silica (quartz) (14808-60-7)</td>
<td>0.025 mg/m³ respirable fraction</td>
<td>30 mg/m³ / (%SiO₂ + 2) total dust 10 mg/m³ / (%SiO₂ +2) respirable fraction</td>
</tr>
</tbody>
</table>
## 8.2. Exposure controls

| Personal protective equipment | Avoid all unnecessary exposure. |
| Hand protection                | Wear protective gloves.         |
| Eye protection                 | Chemical goggles or safety glasses. |
| Skin and body protection       | Wear suitable protective clothing. |
| Respiratory protection         | Wear approved mask.             |
| Other information              | When using, do not eat, drink or smoke. |

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>White to tan</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>11-13</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility (in water)</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Log Kow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Hydrofluoric acid, fluorine, chlorine trifluoride, oxygen difluoride

#### 10.6. Hazardous decomposition products

Addition of water to portland cement produces caustic calcium hydroxide. Crystalline silica will dissolve in hydrofluoric acid and produce silicon tetrafluoride.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes skin irritation.</td>
</tr>
</tbody>
</table>

**Portland cement (7681-49-4)**

Prolonged dermal contact with wet cement (pH > 12) may cause severe second or third degree burns.

Serious eye damage/irritation : Causes serious eye damage.

**Portland cement (7681-49-4)**

Eye contact with wet cement (pH > 12) may result in caustic chemical burns, lesions, and possible blindness when exposed for a prolonged period.
**Respiratory or skin sensitisation**: Not classified

**Germ cell mutagenicity**: Not classified

**Carcinogenicity**: Not classified

<table>
<thead>
<tr>
<th><strong>Crystalline silica (quartz) (14808-60-7)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IARC</strong></td>
</tr>
<tr>
<td><strong>ACGIH</strong></td>
</tr>
<tr>
<td><strong>NTP</strong></td>
</tr>
<tr>
<td><strong>OSHA Carcinogens</strong></td>
</tr>
</tbody>
</table>

**Reproductive toxicity**: Not classified

**Specific target organ toxicity (single exposure)**: Not classified

**Specific target organ toxicity (repeat exposure)**: Causes damage to lungs through prolonged or repeated exposure via inhalation.

<table>
<thead>
<tr>
<th><strong>Crystalline silica (quartz) (14808-60-7)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Silicosis, lung cancer, and pulmonary tuberculosis are associated with occupational exposure to quartz dust. Silicosis is the critical effect for hazard identification and risk assessment.</td>
</tr>
</tbody>
</table>

**Aspiration hazard**: Not classified

**Potential Adverse human health effects and symptoms**:
- Wet material harmful to skin and eyes. Dust harmful if inhaled.
- Causes skin irritation and burns.
- Ingestion may cause mucosal burns of the mouth, esophagus, and stomach.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - water: Not established

**12.2. Persistence and degradability**

Not established

**12.3. Bioaccumulative potential**

Not established

**12.4. Mobility in soil**

No additional information available

**12.5. Other adverse effects**

Other information: Avoid release to the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Waste disposal recommendations: Dispose in a safe manner in accordance with local, state, and federal regulations. Uncontaminated material may be saved for future use.

Ecology - waste materials: Avoid release to the environment.

**SECTION 14: Transport information**

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

**14.1. UN number**

Not applicable

**14.2. UN proper shipping name**

Not applicable

**14.3. Additional information**

Other information: No supplementary information available.

**Overland transport**

No additional information available

**Transport by sea**

No additional information available

**Air transport**

No additional information available
**SECTION 15: Regulatory information**

### 15.1. US Federal regulations

- **TSCA**: All ingredients are listed on the TSCA inventory.
- **EPCRA Section 302 Extremely Hazardous Substances**: None.
- **CERCLA Hazardous Substances**: None.
- **EPCRA Section 313 Toxic Chemicals**: None.

### 15.2. US State Regulations

- **Massachusetts**: Portland cement (65997-15-1), Crystalline silica (Quartz) (14808-60-7)
- **New Jersey**: Portland cement (65997-15-1), Crystalline silica (Quartz) (14808-60-7)
- **Pennsylvania**: Portland cement (65997-15-1), Crystalline silica (Quartz) (14808-60-7)
- **California Prop. 65**: Crystalline silica (Quartz) (14808-60-7)

**SECTION 16: Other information**

- **Indication of changes**: Revision – 02/18/2013 – New SDS Created: Version 1.0
- **Other information**: None.

SDS US (GHS HazCom 2012)

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.