SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: Masonry Unit

1.2. Intended Use of the Product
Use of the substance/mixture: No use is specified.

1.3. Name, Address, and Telephone of the Responsible Party
Company
Unilock
301 East Sullivan Rd.
Aurora, IL 60505
T 1-800-UNILOCK
www.unilock.com

1.4. Emergency Telephone Number
Emergency Number: 1-800-424-9300
CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION
As supplied, masonry units do not pose a significant hazard. However, when processed, hazardous dust may be released. The statements below typically only apply when dust is generated from the product.

2.1. Classification of the Substance or Mixture
GHS-US classification
Skin Irrit. 2 H315
Eye Dam. 1 H318
Skin Sens. 1 H317
Carc. 1A H350
STOT SE 3 H335
STOT RE 1 H372

Full text of hazard classes and H-statements: see section 16

2.2. Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Danger
Hazard Statements (GHS-US):
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H335 - May cause respiratory irritation.
H350 - May cause cancer (Inhalation).
H372 - Causes damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).

Precautionary Statements (GHS-US):
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - If on skin: Wash with plenty of water.
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
### Other Hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

### Unknown Acute Toxicity (GHS-US)
No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance
Not applicable

#### 3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz</td>
<td>(CAS No) 14808-60-7</td>
<td>25 - 100</td>
<td>Carc. 1A, H350, STOT SE 3, H335, STOT RE 1, H372</td>
</tr>
<tr>
<td>Limestone</td>
<td>(CAS No) 1317-65-3</td>
<td>0 - 39</td>
<td>Not classified</td>
</tr>
<tr>
<td>Cement, portland, chemicals</td>
<td>(CAS No) 65997-15-1</td>
<td>10 - 20</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318, Skin Sens. 1, H317, STOT SE 3, H335</td>
</tr>
<tr>
<td>Carbonic acid, magnesium salt (1:1)</td>
<td>(CAS No) 546-93-0</td>
<td>0 - 17.5</td>
<td>Not classified</td>
</tr>
<tr>
<td>Calcium oxide silicate (Ca3O(SiO4))</td>
<td>(CAS No) 12168-85-3</td>
<td>2 - 14</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Silicic acid (H4SiO4), calcium salt (1:2)</td>
<td>(CAS No) 10034-77-2</td>
<td>1 - 12</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Slags, ferrous metal, blast furnace</td>
<td>(CAS No) 65996-69-2</td>
<td>4.75 - 10</td>
<td>Not classified</td>
</tr>
<tr>
<td>Water</td>
<td>(CAS No) 7732-18-5</td>
<td>5 - 9</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aluminium dicalcium iron pentaoxide</td>
<td>(CAS No) 12068-35-8</td>
<td>0.5 - 3</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Aluminum calcium oxide (Al2Ca3O6)</td>
<td>(CAS No) 12042-78-3</td>
<td>0.1 - 3</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Gypsum (Ca(SO4).2H2O)</td>
<td>(CAS No) 13397-24-5</td>
<td>0.2 - 2</td>
<td>Not classified</td>
</tr>
<tr>
<td>Magnesium oxide (MgO)</td>
<td>(CAS No) 1309-48-4</td>
<td>0 - 0.8</td>
<td>Not classified</td>
</tr>
<tr>
<td>Proprietary Ingredient #1</td>
<td>(CAS No) Trade Secret</td>
<td>0.00704 - 0.0704</td>
<td>Skin Irrit. 2, H315, Skin Sens. 1, H317, STOT RE 1, H372</td>
</tr>
<tr>
<td>Proprietary Ingredient #2</td>
<td>(CAS No) Trade Secret</td>
<td>0.0003 - 0.003</td>
<td>Acute Tox. 4 (Oral), H302, Acute Tox. 4 (Dermal), H312, Acute Tox. 4 (Inhalation), H332, Eye Irrit. 2A, H319, Aquatic Acute 3, H402, Aquatic Chronic 3, H412</td>
</tr>
</tbody>
</table>
SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

---

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:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Eye Contact:** Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

**Symptoms/Injuries:** Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. Skin sensitization. May cause cancer. Causes damage to organs through prolonged or repeated exposure.

**Symptoms/Injuries After Inhalation:** Cough, dyspnea (breathing difficulty), wheezing; decreased pulmonary function, progressive respiratory symptoms (silicosis). Accelerated silicosis can occur with exposure to high concentrations of respirable crystalline silica over a relatively short period; the lung lesions can appear within five years of the initial exposure. The progression can be rapid. Accelerated silicosis is similar to chronic or ordinary silicosis, except that the lung lesions appear earlier and the progression is more rapid. Acute silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis can be fatal.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

**Chronic Symptoms:** Pre-existing lung diseases such as emphysema or asthma may be aggravated by exposure to dusts. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure. Some studies show that exposure to respirable crystalline silica (without silicosis) or that the disease silicosis may be associated with the increased incidence of several autoimmune disorders such as scleroderma (thickening of the skin), systemic lupus erythematosus, rheumatoid arthritis and diseases affecting the kidneys. Some studies show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica. Repeated inhalation of respirable silica dust is associated with an increased incidence of cancer.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

---

<table>
<thead>
<tr>
<th>Proprietary Ingredient #3</th>
<th>(CAS No) Trade Secret</th>
<th>0.0000095 - 0.000095</th>
<th>Acute Tox. 4 (Oral), H302</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0.0000095 - 0.000095</td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.0000075 - 0.000075</td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.0000075 - 0.000075</td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
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<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1, H410</td>
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</tr>
<tr>
<td>Proprietary Ingredient #4</td>
<td>(CAS No) Trade Secret</td>
<td>0.0000095 - 0.000095</td>
<td>Not classified</td>
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<tr>
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</tr>
<tr>
<td>Proprietary Ingredient #5</td>
<td>(CAS No) Trade Secret</td>
<td>0.0000025 - 0.000025</td>
<td>Met. Corr. 1, H290</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1A, H314</td>
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<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 3, H402</td>
</tr>
</tbody>
</table>

The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

Full text of H-phrases: see section 16.
5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Not flammable.
Explosion Hazard: Product is not explosive.
Reactivity: Hazardous reactions are not expected to occur under normal conditions.

5.3. Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other Information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Do not breathe dust. Avoid all contact with skin, eyes, or clothing. Do not handle until all safety precautions have been read and understood.

6.1.1. For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions
Avoid unnecessary release to the environment.

6.3. Methods and Material for Containment and Cleaning Up
For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal.

6.4. Reference to Other Sections
See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with eyes, skin and clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Comply with applicable regulations.
Storage Conditions: Store in a dry, cool place. Keep/Store away from incompatible materials.
Incompatible Products: Cement dissolves in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.

7.3. Specific End Use(s)
No use is specified.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

<table>
<thead>
<tr>
<th>Substance</th>
<th>USA ACGIH ACGIH TWA (mg/m³)</th>
<th>USA ACGIH ACGIH chemical category</th>
<th>USA NIOSH NIOSH REL (TWA) (mg/m³)</th>
<th>USA IDLH US IDLH (mg/m³)</th>
<th>USA OSHA OSHA PEL (STEL) (mg/m³)</th>
<th>USA NIOSH NIOSH REL (TWA) (mg/m³)</th>
<th>USA OSHA OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (14808-60-7)</td>
<td>0.025 mg/m³ (respirable fraction)</td>
<td>A2 - Suspected Human Carcinogen</td>
<td>0.05 mg/m³ (respirable dust)</td>
<td>50 mg/m³ (respirable dust)</td>
<td>250 mppcf/%SiO₂+5, 10mg/m³/%SiO₂+2</td>
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<td></td>
</tr>
<tr>
<td>Limestone (1317-65-3)</td>
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</tbody>
</table>

02/25/2016 EN (English US)
**Masonry Unit Safety Data Sheet**

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>USA NIOSH NIOSH REL (TWA) (mg/m³)</th>
<th>USA NIOSH NIOSH REL (ceiling) (mg/m³)</th>
<th>USA IDLH US IDLH (mg/m³)</th>
<th>USA OSHA OSHA PEL (TWA) (mg/m³)</th>
<th>USA ACGIH ACGIH Ceiling (mg/m³)</th>
<th>USA ACGIH ACGIHchemical category</th>
<th>USA ACGIH ACGIH TWA (mg/m³)</th>
<th>USA IDLH US IDLH (mg/m³)</th>
<th>USA OSHA OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbonic acid, magnesium salt (1:1) (546-93-0)</td>
<td>10 mg/m³ (total dust)</td>
<td>5 mg/m³ (respirable dust)</td>
<td>10 mg/m³ (total dust)</td>
<td>5 mg/m³ (respirable dust)</td>
<td>2 mg/m³ (total dust)</td>
<td></td>
<td>1 mg/m³ (particulate matter containing no asbestos and &lt;1% crystalline silica, respirable fraction)</td>
<td>5000 mg/m³</td>
<td>15 mg/m³ (total dust)</td>
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<td>Proprietary Ingredient #5</td>
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</tr>
<tr>
<td>Cement, portland, chemicals (65997-15-1)</td>
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<td>Gypsum (Ca(SO4).2H2O) (13397-24-5)</td>
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<tr>
<td>Magnesium oxide (MgO) (1309-48-4)</td>
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<tr>
<td>Particulates not otherwise classified (PNOC) (RR-00072-6)</td>
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</tr>
<tr>
<td>8.2. Exposure Controls</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Appropriate Engineering Controls</td>
<td>Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.</td>
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<td></td>
</tr>
<tr>
<td>Materials for Protective Clothing</td>
<td>Chemically resistant materials and fabrics.</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Wear protective gloves.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Eye Protection</td>
<td>Chemical goggles or face shield.</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Skin and Body Protection</td>
<td>Wear suitable protective clothing.</td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.</td>
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<td></td>
</tr>
</tbody>
</table>

**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>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>No data available</td>
</tr>
</tbody>
</table>
### Odor
- Odor: No data available
- Odor Threshold: No data available

### pH
- pH: No data available

### Evaporation Rate
- Evaporation Rate: No data available

### Melting Point
- Melting Point: No data available

### Freezing Point
- Freezing Point: No data available

### Boiling Point
- Boiling Point: No data available

### Flash Point
- Flash Point: No data available

### Auto-ignition Temperature
- Auto-ignition Temperature: No data available

### Decomposition Temperature
- Decomposition Temperature: No data available

### Flammability (solid, gas)
- Flammability (solid, gas): No data available

### Vapor Pressure
- Vapor Pressure: No data available

### Relative Vapor Density at 20 °C
- Relative Vapor Density at 20 °C: No data available

### Relative Density
- Relative Density: No data available

### Solubility
- Solubility: No data available

### Partition Coefficient: N-Octanol/Water
- Partition Coefficient: N-Octanol/Water: No data available

### Viscosity
- Viscosity: No data available

### Other Information
- No additional information available.

#### SECTION 10: STABILITY AND REACTIVITY

10.1. **Reactivity**: Hazardous reactions are not expected to occur under normal conditions.

10.2. **Chemical Stability**: Stable under recommended handling and storage conditions (see section 7).

10.3. **Possibility of Hazardous Reactions**: Hazardous polymerization will not occur.

10.4. **Conditions to Avoid**: Incompatible materials.

10.5. **Incompatible Materials**: Cement dissolves in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.


#### SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information On Toxicological Effects**

**Acute Toxicity**: Not classified

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rat</th>
<th>LC50 Inhalation Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slags, ferrous metal, blast furnace (65996-69-2)</td>
<td>&gt; 2000 mg/kg</td>
<td>&gt; 4000 mg/kg</td>
<td>&gt; 230.1 mg/m³ (Exposure Time: 6 h; Species: Wistar)</td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rat</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbonic acid, magnesium salt (1:1) (546-93-0)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Proprietary Ingredient #2**
- LD50 Oral Rat: 764 mg/kg
- ATE (Dermal): 1,100.00 mg/kg body weight
- ATE (Gases): 4,500.00 ppmV/4h
- ATE (Vapors): 11.00 mg/l/4h
- ATE (Dust/Mist): 1.50 mg/l/4h

**Proprietary Ingredient #4**
- LD50 Oral Rat: 14850 mg/kg
- LD50 Dermal Rabbit: > 20 ml/kg

**Proprietary Ingredient #3**
- LD50 Oral Rat: 1020 mg/kg

**Proprietary Ingredient #5**
- LD50 Oral Rat: 1350 mg/kg
Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes serious eye damage.
Respiratory or Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Not classified
Carcinogenicity: May cause cancer (Inhalation).

Quartz (14808-60-7)

<table>
<thead>
<tr>
<th>IARC group</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Toxicology Program (NTP) Status</td>
<td>Known Human Carcinogens.</td>
</tr>
<tr>
<td>OSHA Hazard Communication Carcinogen List</td>
<td>In OSHA Hazard Communication Carcinogen list.</td>
</tr>
</tbody>
</table>

Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.
Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).
Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Cough, dyspnea (breathing difficulty), wheezing; decreased pulmonary function, progressive respiratory symptoms (silicosis). Accelerated silicosis can occur with exposure to high concentrations of respirable crystalline silica over a relatively short period; the lung lesions can appear within five years of the initial exposure. The progression can be rapid. Accelerated silicosis is similar to chronic or ordinary silicosis, except that the lung lesions appear earlier and the progression is more rapid. Acute silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis can be fatal.

Symptoms/Injuries After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: Pre-existing lung diseases such as emphysema or asthma may be aggravated by exposure to dusts. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure. Some studies show that exposure to respirable crystalline silica (without silicosis) or that the disease silicosis may be associated with the increased incidence of several autoimmune disorders such as scleroderma (thickening of the skin), systemic lupus erythematosus, rheumatoid arthritis and diseases affecting the kidneys. Some studies show an increased incidence of chronic kidney disease and end-stage renal disease in workers exposed to respirable crystalline silica. Repeated inhalation of respirable silica dust is associated with an increased incidence of cancer.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology - General: Not classified.

<table>
<thead>
<tr>
<th>Proprietary Ingredient #2</th>
<th>LC50 Fish 1</th>
<th>83 mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Ingredient #4</td>
<td>EC50 Daphnia 1</td>
<td>&gt; 100 mg/l (Exposure Time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td></td>
<td>ErC50 (algae)</td>
<td>&gt; 100 mg/l (Exposure Time: 72 h - Species: Desmodesmus subspicatus)</td>
</tr>
<tr>
<td></td>
<td>NOEC chronic algae</td>
<td>&gt; 100 mg/l (Exposure Time: 72 h - Species: Desmodesmus subspicatus)</td>
</tr>
<tr>
<td>Proprietary Ingredient #3</td>
<td>EC50 Daphnia 1</td>
<td>0.99 mg/l</td>
</tr>
<tr>
<td>Proprietary Ingredient #5</td>
<td>LC50 Fish 1</td>
<td>45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])</td>
</tr>
<tr>
<td></td>
<td>EC50 Daphnia 1</td>
<td>40 mg/l</td>
</tr>
</tbody>
</table>

12.2. Persistence and Degradability

Masonry Unit
Persistence and Degradability: Not established.
12.3. Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Masonry Unit</th>
<th>Bioaccumulative Potential</th>
<th>Not established.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Ingredient #4</td>
<td>BCf fish 1</td>
<td>0.3 (0.3 - 1.4)</td>
</tr>
<tr>
<td>Proprietary Ingredient #3</td>
<td>Log Pow</td>
<td>1.3 (at 25 °C)</td>
</tr>
</tbody>
</table>

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 of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.


SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT  Not regulated for transport.

14.2. In Accordance with IMDG  Not regulated for transport.

14.3. In Accordance with IATA  Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

<table>
<thead>
<tr>
<th>Masonry Unit</th>
<th>SARA Section 311/312 Hazard Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate (acute) health hazard</td>
<td>Delayed (chronic) health hazard</td>
</tr>
</tbody>
</table>

Slags, ferrous metal, blast furnace (65996-69-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Quartz (14808-60-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Limestone (1317-65-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Carbonic acid, magnesium salt (1:1) (546-93-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Ingredient #2
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Ingredient #3
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Ingredient #4
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Ingredient #5
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Cement, portland, chemicals (65997-15-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Calcium oxide silicate (Ca3O(SiO4)) (12168-85-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Silicic acid (H4SiO4), calcium salt (1:2) (10034-77-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Aluminium dicalcium iron pentaoxide (12068-35-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
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Aluminum calcium oxide (Al2Ca3O6) (12042-78-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Magnesium oxide (MgO) (1309-48-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations

Quartz (14808-60-7)
U.S. - California - Proposition 65 - Carcinogens List
WARNING: This product contains chemicals known to the State of California to cause cancer.

Quartz (14808-60-7)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Limestone (1317-65-3)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Carbonic acid, magnesium salt (1:1) (546-93-0)
U.S. - Massachusetts - Right To Know List

Proprietary Ingredient #4
U.S. - Pennsylvania - RTK (Right to Know) List

Proprietary Ingredient #5
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List - Environmental Hazard List

Cement, portland, chemicals (65997-15-1)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Gypsum (CaSO4).2H2O) (13397-24-5)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Magnesium oxide (MgO) (1309-48-4)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: 02/25/2016
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Dermal)</th>
<th>Acute toxicity (dermal) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Inhalation)</td>
<td>Acute toxicity (inhalation) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Acute 3</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 3</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 3</td>
</tr>
<tr>
<td>Carc. 1A</td>
<td>Carcinogenicity Category 1A</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Met. Corr. 1</td>
<td>Corrosive to metals Category 1</td>
</tr>
</tbody>
</table>
**Masonry Unit**

Safety Data Sheet
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<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr. 1A</td>
<td>Skin corrosion/irritation Category 1A</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitization Category 1</td>
</tr>
<tr>
<td>STOT RE 1</td>
<td>Specific target organ toxicity (repeated exposure) Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H290</td>
<td>May be corrosive to metals</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H402</td>
<td>Harmful to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

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.

SDS US (GHS HazCom)