Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: VersaBond®-LFT Professional Large Format Tile Mortar
Product Code: Not Available

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Mortar

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

Name/Address: Custom Building Products
Five Concourse Parkway, Suite 1900
Atlanta, GA 30328
Telephone Number: 1-(800)-282-8786

1.4 EMERGENCY TELEPHONE NUMBER

Emergency Telephone Number: INFOTRAC 1-800-535-5053 (US and Canada)
INTERNATIONAL + 1-352-323-3500

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

- Skin Irritation Category 2
- Serious Eye Damage Category 1
- Skin Sensitization Category 1B
- Specific Target Organ Toxicity—Single Exposure Category 3
- Specific Target Organ Toxicity—Repeated Exposure Category 1
- Carcinogenicity Category 1A

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

2.2a SIGNAL WORD:
DANGER!

2.2b HAZARD STATEMENTS
- Causes skin irritation
- Causes serious eye damage
- May cause an allergic skin reaction
- May cause respiratory irritation
- Causes damage to lungs through prolonged or repeated inhalation of dust
- May cause cancer through inhalation of dust
2.2c HAZARD PICTOGRAMS

2.2d PRECAUTIONARY STATEMENTS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>i. PREVENTION</td>
<td>Wash hands thoroughly after handling. Do not breathe dust. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection.</td>
</tr>
<tr>
<td>ii. RESPONSE</td>
<td>If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If exposed or concerned: get medical advice/attention.</td>
</tr>
<tr>
<td>iii. STORAGE</td>
<td>Store in a well-ventilated place. Store locked up. Keep container tightly closed.</td>
</tr>
<tr>
<td>iv. DISPOSAL</td>
<td>Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.</td>
</tr>
</tbody>
</table>

2.3 ADDITIONAL INFORMATION

2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED

Not Applicable

2.3b UNKNOWN ACUTE TOXICITY

<1% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>14808-60-7</td>
<td>40 – 70%*</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>65997-15-1</td>
<td>15 – 40%*</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>10 – 30%*</td>
</tr>
</tbody>
</table>

*Means that the component will fall into one of the ranges specified due to batch-to-batch variability and to protect Confidential Business Information.

Section 4: FIRST-AID MEASURES
4.1 DESCRIPTION OF THE FIRST-AID MEASURES

<table>
<thead>
<tr>
<th>ROUTES OF EXPOSURE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact:</td>
<td>In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.</td>
</tr>
<tr>
<td>Skin Contact:</td>
<td>In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.</td>
</tr>
<tr>
<td>Inhalation:</td>
<td>If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.</td>
</tr>
<tr>
<td>Ingestion:</td>
<td>If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.</td>
</tr>
</tbody>
</table>

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

<table>
<thead>
<tr>
<th>ROUTES OF EXPOSURE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact:</td>
<td>Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.</td>
</tr>
<tr>
<td>Skin Contact:</td>
<td>Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact.</td>
</tr>
<tr>
<td>Inhalation:</td>
<td>May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.</td>
</tr>
<tr>
<td>Ingestion:</td>
<td>May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.</td>
</tr>
</tbody>
</table>

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

5.2 EXTINGUISHING MEDIA
5.2a. Suitable Extinguishing Media:
Treat for surrounding material.

5.2b. Unsuitable Extinguishing Media:
Not Available

5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a. Products of Combustion:
May include, and are not limited to: oxides of carbon and hydrogen sulfide

5.3b. Explosion Data
i. Sensitivity to Mechanical Impact:
Not Available

ii. Sensitivity to Static Discharge:
Not Available

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS
Keep upwind of fire. Wear full fire fighting turn-out gear (full bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES
Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment:
Recover all usable material. Pick up large pieces, and then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up:
Vacuum or sweep material and place in a disposal container. Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling:
Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust. Do not take internally.

General Hygiene Advice:
Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of the reach of children. Store locked up. Keep container tightly closed. Store at room temperature and keep containers closed when not in use. Keep dry until use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETER

Exposure Guidelines:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>0.05 mg/m³</td>
<td>0.025 mg/m³ (Resp.)</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>5 mg/m³ (Resp.)</td>
<td>10 mg/m³ (Resp.)</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>5 mg/m³ (Resp.)</td>
<td>5 mg/m³ (Resp.)</td>
</tr>
</tbody>
</table>

8.2 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTION MEASURES

8.3a. Personal Protective Equipment:

i. Eye/Face Protection: Wear approved eye/face protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]

ii. Skin Protection:

1. Hand Protection: Wear impervious gloves, such as nitrile.

2. Body Protection: Wear suitable protective clothing.

iii. Respiratory Protection: A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA’s respirator standard (29 CFR 1910.134) and ANSI’s standard for respiratory protection (Z88.2).

iv. General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance (physical state, color, etc.):</th>
<th>Solid Powder (Gray Or White)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
Section 10: STABILITY AND REACTIVITY

10.1. REACTIVITY
No dangerous reaction known under conditions of normal use.

10.2. CHEMICAL STABILITY
Stable under normal storage conditions. Keep dry in storage.

10.3. POSSIBILITY OF HAZARDOUS REACTION
No dangerous reaction known under conditions of normal use.

10.4. CONDITIONS TO AVOID
Heat. Incompatible materials.

10.5. INCOMPATIBLE MATERIALS
Strong acids. Strong Oxidizers.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS
Upon decomposition, this product may yield oxides of carbon and hydrogen sulfide.

Section 11: TOXICOLOGICAL INFORMATION

11.1. LIKELY ROUTES OF EXPOSURE:
Skin contact, skin absorption, eye contact, inhalation, and ingestion.

11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin Contact: Causes skin irritation. Handling can cause dry skin, discomfort,
irritation, and dermatitis. May cause sensitization by skin contact.

**Inhalation:** May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.

**Ingestion:** May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Acute Toxicity(ATE&lt;sub&gt;mix&lt;/sub&gt; = 6,824 mg/kg)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>LC50 Not Available</td>
<td>LD50 Oral: &gt;10,000 mg/kg, rat</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>LC50 Not Available</td>
<td>LD50 Oral: &gt;5,000 mg/kg, rat</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>LC50 Not Available</td>
<td>LD50 Oral: &gt;5,000 mg/kg, rat</td>
</tr>
</tbody>
</table>

### Carcinogenicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Chemical Listed as Carcinogens or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>N-2, I-1, O-1, ACGIH-A2, CP65</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>ACGIH-A4</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

11.3. **DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE**

#### SHORT-TERM

- **Skin Corrosion/Irritation:** Causes skin irritation
- **Serious Eye Damage/Irritation:** Causes serious eye damage
- **Respiratory Sensitization:** Not Classified
- **Skin Sensitization:** May cause an allergic skin reaction
- **STOT-Single Exposure:** May cause respiratory irritation
- **Aspiration Hazard:** Not Classified

#### LONG-TERM

- **Carcinogenicity:** May cause cancer through inhalation of dust
- **Germ Cell Mutagenicity:** Not Classified
- **Reproductive Toxicity:** Not Classified
- **STOT-Repeated Exposure:** Causes damage to lungs through prolonged or repeated inhalation of dust
- **Synergistic/Antagonistic Effects:** Not Classified

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. ECOTOXICITY

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Ecotoxicity EC50/NOEC-48 Hours</th>
<th>Ecotoxicity LC50/NOEC-96 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
12.2. PERSISTENCE AND DEGRADABILITY
Not Available

12.3. BIOACCUMULATIVE POTENTIAL
Not Available

12.4. MOBILITY IN SOIL
Not Available

12.5. OTHER ADVERSE EFFECTS
Not Available

Section 13: DISPOSAL CONSIDERATIONS

13.1. DISPOSAL METHOD
Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

13.2. OTHER DISPOSAL CONSIDERATIONS
Not Available

Section 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT (U.S.)</th>
<th>TDG (CANADA)</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN NUMBER:</td>
<td>UN NUMBER:</td>
<td>UN NUMBER:</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>UN PROPER SHIPPING NAME:</td>
<td>UN PROPER SHIPPING NAME:</td>
<td>UN PROPER SHIPPING NAME:</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>TRANSPORT HAZARD CLASS (ES):</td>
<td>TRANSPORT HAZARD CLASS (ES):</td>
<td>TRANSPORT HAZARD CLASS (ES):</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
<tr>
<td>PACKING GROUP (if applicable):</td>
<td>PACKING GROUP (if applicable):</td>
<td>PACKING GROUP (if applicable):</td>
</tr>
<tr>
<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

SUMMARY: Product is NOT regulated under DOT/TDG and other transportation regulations.

14.1. ENVIRONMENTAL HAZARDS
Not Available

14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE
Not Available

14.3. SPECIAL PRECAUTIONS FOR USER
Section 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.


15.2. US FEDERAL INFORMATION:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>SECTION 302 (EHS) TPQ (LBS)</th>
<th>SECTION 304 EHS RQ (LBS)</th>
<th>CERCLA RQ (LBS)</th>
<th>SECTION 313 (TRI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

15.3. US STATE RIGHT TO KNOW LAWS:

California Proposition 65:

**WARNING:** This product can expose you to chemicals including crystalline silica which is known to the State of California to cause cancer and hexavalent chromium compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Other U.S. States “Right to Know” Lists:

- Silica, Quartz: cas#14808-60-7
- Portland Cement: cas#65997-15-1
- Calcium Carbonate: cas#1317-65-3
- Gypsum: cas#13397-24-5
- Calcium Diformate: cas#544-17-2

15.4. GLOBAL INVENTORIES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>USA TSCA</th>
<th>Canada DSL/NDSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, Quartz</td>
<td>Yes</td>
<td>DSL</td>
</tr>
<tr>
<td>Portland Cement</td>
<td>Yes</td>
<td>DSL</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Yes</td>
<td>NDSL</td>
</tr>
</tbody>
</table>
15.5. NFPA AND HMIS RATINGS:

15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CP65</td>
<td>California Proposition 65</td>
</tr>
<tr>
<td>OSHA (O)</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>ACGIH (G)</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>IARC (I)</td>
<td>International Agency for Research on Cancer</td>
</tr>
</tbody>
</table>

ACGIH (G):
- **A1** – Confirmed human carcinogen
- **A2** – Suspected human carcinogen
- **A3** – Animal carcinogen
- **A4** – Not classifiable as a human carcinogen
- **A5** – Not suspected a human carcinogen

IARC (I):
- **1** – The agent (mixture) is carcinogenic to humans
- **2A** – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- **2B** – The agent (mixture) is possibly carcinogenic to humans; there
is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

- 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

### NTP (N)

National Toxicology Program
- 1 – Known to be carcinogens
- 2 – Reasonably anticipated to be carcinogens

**Section 16: OTHER INFORMATION**

**Date of Preparation:** July 3, 2013

**Version:** 2.2

**Revision Date:** April 13, 2020

**Disclaimer:** 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 disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

**Prepared by:** Custom Building Products
Phone: (800)-282-8786
www.custombuildingproducts.com

End of Safety Data Sheet