# SAFETY DATA SHEET

## Section 1: IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

**Product Name:** Polyblend® Plus Non-Sanded Grout

**Product Code:** Not Available

### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Product Use:** Grout

### 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 organs through prolonged or repeated inhalation of dust
May cause cancer through inhalation of dust

### 2.2c HAZARD PICTOGRAMS

### 2.2d PRECAUTIONARY STATEMENTS

| | |
|---|---|
| **i. PREVENTION** | 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. |
| **ii. RESPONSE** | 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. |
| **iii. STORAGE** | Store in a well-ventilated place. Keep container tightly closed. |
| **iv. DISPOSAL** | Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations. |

### 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

| Chemical Name | CAS Number | Weight % |
|---|---|---|
| Calcium Carbonate | 1317-65-3 | 30 – 60%* |
| Portland Cement | 65997-15-1 | 30 – 60%* |
| Titanium Dioxide | 13463-67-7 | 1 – 5%* |
| Crystalline Silica, Quartz | 14808-60-7 | 0.1 – 1.0%* |

*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

| ROUTES OF EXPOSURE | DESCRIPTION |
|---|---|
| **Eye Contact:** | 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. |
| **Skin Contact:** | 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. |
| **Inhalation:** | 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. |
| **Ingestion:** | 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. |

### 4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

| ROUTES OF EXPOSURE | DESCRIPTION |
|---|---|
| **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. |

### 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. 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:**

| Occupational Exposure Limits | | |
|---|---|---|
| **Chemical Name** | **OSHA-PEL** | **ACGIH-TLV** |
| Calcium Carbonate | 5 mg/m$^3$ (Resp.)<br>15 mg/m$^3$ (Total) | 5 mg/m$^3$ (Resp.) |
| Portland Cement | 5 mg/m$^3$ (Resp.)<br>15 mg/m$^3$ (Total) | 10 mg/m$^3$ (Resp.) |
| Titanium Dioxide | 5 mg/m$^3$ (Resp.)<br>15 mg/m$^3$ (Total) | 6 mg/m$^3$ |
| Crystalline Silica, Quartz | 0.05 mg/m$^3$ | 0.025 mg/m$^3$ (Resp.) |

### 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.

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance (physical state, color, etc.):** | Solid Powder (Various Colors) |
| **Odor:** | Characteristic |
| **Odor Threshold:** | Not Available |
| **pH:** | 10.0 – 12.5 when wet |
| **Melting point/Freezing point:** | Not Available |
| **Initial boiling point and boiling range:** | Not Available |
| **Flash point:** | >212°F(>100°C) |
| **Evaporation rate (Water=1):** | Not Available |
| **Flammability:** | Not Flammable/Not Combustible |
| **Upper Flammability/Explosive Limit:** | Not Available |
| **Lower Flammability/Explosive Limit:** | Not Available |
| **Vapor Pressure** | Not Available |
| **Vapor Density:** | Not Available |
| **Relative Density:** | 2.0 – 3.0 g/mL |
| **Solubility in Water:** | Slightly Soluble |
| **Partition coefficient: n-octanol/water:** | Not Available |
| **Auto-ignition temperature:** | Not Available |
| **Decomposition Temperature:** | Not Available |
| **Viscosity (cps):** | Not Available |
| **VOC Content:** | 0 g/L |

## 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.

| Acute Toxicity($ATE_{mix}$=5,658 mg/kg) | | |
|---|---|---|
| **Chemical Name** | **LC50** | **LD50** |
| Calcium Carbonate | Not Available | Oral: 6,450 mg/kg, rat |
| Portland Cement | Not Available | Oral: >5,000 mg/kg, rat |
| Titanium Dioxide | Not Available | Oral: >5,000 mg/kg, rat |
| Crystalline Silica, Quartz | Not Available | Oral: >10,000 mg/kg, rat |

| Carcinogenicity | |
|---|---|
| **Chemical Name** | **Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)** |
| Calcium Carbonate | Not Listed |
| Portland Cement | ACGIH-A4 |
| Titanium Dioxide | N-2, I-2B, O-1, ACGIH-A2, CP65 |
| Crystalline Silica, Quartz | N-2, I-1, O-1, ACGIH-A2, CP65 |

### 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 organs through prolonged or repeated exposure through 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.

| Ecotoxicity | | |
|---|---|---|
| **Chemical Name** | **EC50/NOEC-48 Hours** | **LC50/NOEC-96 Hours** |
| Calcium Carbonate | Not Available | Not Available |
| Portland Cement | Not Available | Not Available |
| Titanium Dioxide | Not Available | Not Available |
| Crystalline Silica, Quartz | Not Available | Not Available |

**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

| DOT (U.S.) | TDG (CANADA) | IATA |
|---|---|---|
| **UN NUMBER:** Not Regulated | **UN NUMBER:** Not Regulated | **UN NUMBER:** Not Regulated |
| **UN PROPER SHIPPING NAME:** Not Regulated | **UN PROPER SHIPPING NAME:** Not Regulated | **UN PROPER SHIPPING NAME:** Not Regulated |
| **TRANSPORT HAZARD CLASS (ES):** Not Regulated | **TRANSPORT HAZARD CLASS (ES):** Not Regulated | **TRANSPORT HAZARD CLASS (ES):** Not Regulated |
| **PACKING GROUP (if applicable):** Not Regulated | **PACKING GROUP (if applicable):** Not Regulated | **PACKING GROUP (if applicable):** Not Regulated |

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**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
Do not handle until all safety precautions have been read and understood.

## 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.

**US:** SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

### 15.2. US FEDERAL INFORMATION:

| | SARA TITLE III | | | |
|---|---|---|---|---|
| **CHEMICAL NAME** | **SECTION 302 (EHS) TPQ (LBS)** | **SECTION 304 EHS RQ (LBS)** | **CERCLA RQ (LBS)** | **SECTION 313 (TRI)** |
| Calcium Carbonate | Not Listed | Not Listed | Not Listed | Not Listed |
| Portland Cement | Not Listed | Not Listed | Not Listed | Not Listed |
| Titanium Dioxide | Not Listed | Not Listed | Not Listed | Not Listed |
| Crystalline Silica, Quartz | Not Listed | Not Listed | Not Listed | Not Listed |

### 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**. |
| **Other U.S. States "Right to Know" Lists:** | Calcium Carbonate**: CAS#1317-65-3**<br>Portland Cement**: CAS#65997-15-1**<br>Gypsum: **CAS#13397-24-5**<br>Titanium Dioxide: **CAS#13463-67-7**<br>Silica, Quartz: **CAS#14808-60-7** |

### 15.4. GLOBAL INVENTORIES

| Chemical Name | USA TSCA | Canada DSL/NDSL |
|---|---|---|
| Calcium Carbonate | Yes | NDSL |
| Portland Cement | Yes | DSL |
| Titanium Dioxide | Yes | DSL |
| Crystalline Silica, Quartz | Yes | DSL |

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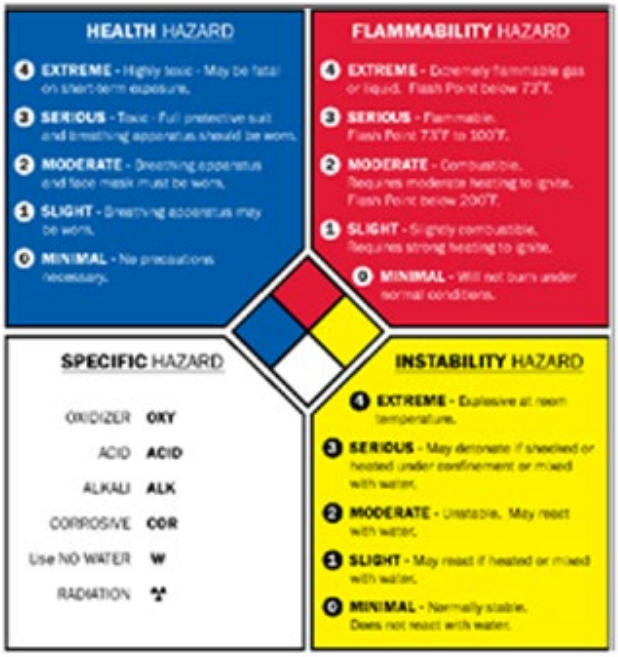
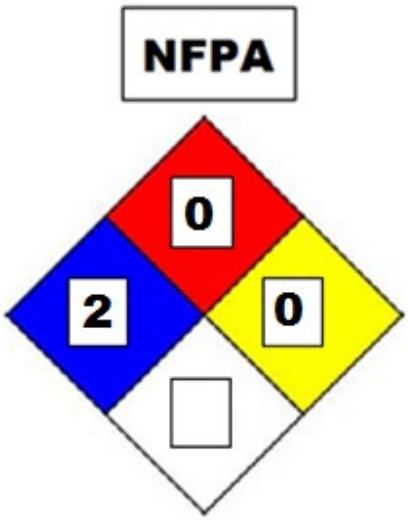
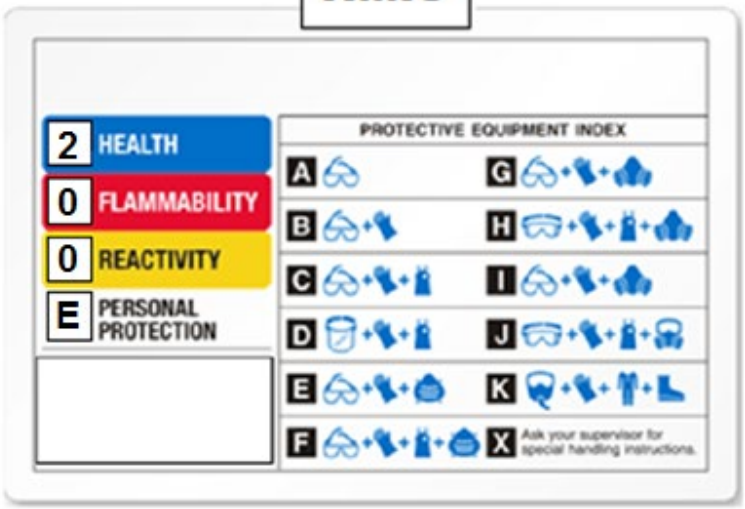
### 15.5. NFPA AND HMIS RATINGS:




| Hazard Index | |
|---|---|
| 4 | Severe Hazard |
| 3 | Serious Hazard |
| 2 | Moderate Hazard |
| 1 | Slight Hazard |




### 15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

| | |
|---|---|
| **CP65** | California Proposition 65 |
| **OSHA (O)** | Occupational Safety and Health Administration |
| **ACGIH (G)** | American Conference of Governmental Industrial Hygienists<br>• A1 – Confirmed human carcinogen<br>• A2 – Suspected human carcinogen<br>• A3 – Animal carcinogen<br>• A4 – Not classifiable as a human carcinogen<br>• A5 – Not suspected a human carcinogen |
| **IARC (I)** | International Agency for Research on Cancer<br>• 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.<br>• 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.<br>• 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.<br>• 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans. |
| **NTP (N)** | National Toxicology Program<br>• 1 – Known to be carcinogens<br>• 2 – Reasonably anticipated to be carcinogens |

## Section 16: OTHER INFORMATION

**Date of Preparation:** February 19, 2020

**Version:** 1.0

**Revision Date:** Not Available

**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:**

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# End of Safety Data Sheet