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## SAFETY DATA SHEET

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### Section 1: IDENTIFICATION

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#### 1.1 PRODUCT IDENTIFIER

**Product Name:** ReliaBond® Professional Tile Adhesive

**Product Code:** Not Available

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

**Product Use:** Adhesive

#### 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)-272-8786

#### 1.4 EMERGENCY TELEPHONE NUMBER

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

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### Section 2: HAZARD(S) IDENTIFICATION

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

**Carcinogenicity** **Category 1A**  
**Specific Target Organ Toxicity—Repeated Exposure** **Category 2**

#### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

**2.2a SIGNAL WORD:**  
DANGER!

**2.2b HAZARD STATEMENTS**  
May cause cancer through inhalation of dust  
May cause damage to organs through prolonged or repeated exposure

**2.2c HAZARD PICTOGRAMS**



**2.2d PRECAUTIONARY STATEMENTS**

<b>i. PREVENTION</b>	Wash hands thoroughly after handling. Do not breathe
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	dust/fume/vapors. 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 impervious gloves/protective clothing/eye protection.
<b>ii. RESPONSE</b>	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.
<b>iii. STORAGE</b>	Store in a well-ventilated place. Store locked up. Keep container tightly closed.
<b>iv. DISPOSAL</b>	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

2.5% 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	40 – 70%**
Ethylene Glycol	107-21-1	1 – 5%**
Crystalline Silica, Quartz*	14808-60-7	0.1 – 1.0%**
Mineral Spirits	64742-47-8	0.1 – 1.0%**
Sodium Hydroxide	1310-73-2	0.1 – 1.0%**

\*Inhalation of particulates unlikely due to product's physical state.

\*\*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
<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for several minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

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- 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
<b>Eye Contact:</b>	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
<b>Skin Contact:</b>	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
<b>Inhalation:</b>	May cause respiratory tract irritation. May cause 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.
<b>Ingestion:</b>	May be harmful if swallowed. May cause stomach 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

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### 5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

**5.3a. Products of Combustion:**

May include, and are not limited to: oxides of carbon

**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).

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## Section 6: ACCIDENTAL RELEASE MEASURES

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### 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. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container. Do not flush to sewer or allow entrance to waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:** Scoop up material and place in a disposal container. Provide ventilation.

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## Section 7: HANDLING AND STORAGE

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### 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. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust/fume/vapors. 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

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**Storage:** Store locked up. Keep out of the reach of children. Keep container tightly closed. Store in a well ventilated place. Do not store at temperatures above 49°C / 120°F. Keep from freezing.

### 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 <sup>3</sup> (Resp.) 15 mg/m <sup>3</sup> (Total)	5 mg/m <sup>3</sup> (Resp.)
Ethylene Glycol	50 ppm	100 mg/m <sup>3</sup>
Crystalline Silica, Quartz*	0.05 mg/m <sup>3</sup>	0.025 mg/m <sup>3</sup> (Resp.)
Mineral Spirits	Not Available	100 ppm
Sodium Hydroxide	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>

\*Inhalation of particulates unlikely due to product's physical state.

#### 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 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. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Wash contaminated clothing before reusing.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES



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<b>Appearance (physical state, color, etc.):</b>	White Paste
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	8.5 – 9.3
<b>Melting point/Freezing point:</b>	Not Available
<b>Initial boiling point and boiling range:</b>	Not Available
<b>Flash point:</b>	>212°F(>100°C)
<b>Evaporation rate (Water=1):</b>	Not Available
<b>Flammability:</b>	Not Flammable/Not Combustible
<b>Upper Flammability/Explosive Limit:</b>	Not Available
<b>Lower Flammability/Explosive Limit:</b>	Not Available
<b>Vapor Pressure</b>	Not Available
<b>Vapor Density:</b>	Not Available
<b>Relative Density:</b>	1.35 – 1.50 g/mL
<b>Solubility in Water:</b>	Not Available
<b>Partition coefficient: n-octanol/water:</b>	Not Available
<b>Auto-ignition temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity (cps):</b>	Not Available
<b>VOC Content:</b>	<65 g/L (<0.3% CARB VOC)

### 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 and 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:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and

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swelling.

**Skin Contact:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

**Inhalation:** May cause respiratory tract irritation. May cause 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. May cause stomach distress, nausea or vomiting.

Acute Toxicity(ATE <sub>mix</sub> = 7,097 mg/kg)		
Chemical Name	LC50	LD50
Calcium Carbonate	Not Available	Oral: >5,000 mg/kg, rat
Ethylene Glycol	Not Available	Oral: 4,700 mg/kg, rat
Crystalline Silica, Quartz	Not Available	Oral: >10,000 mg/kg, rat
Mineral Spirits	Not Available	Oral: >5,500 mg/kg, rat
Sodium Hydroxide	Not Available	Not Available

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP,IARC,OSHA,ACGIH,CP65)
Calcium Carbonate	Not Listed
Ethylene Glycol	Not Listed
Crystalline Silica, Quartz	N-2, I-1, O-1, ACGIH-A2, CP65
Mineral Spirits	Not Listed
Sodium Hydroxide	Not Listed

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

SHORT-TERM	
<b>Skin Corrosion/Irritation:</b>	May cause skin irritation
<b>Serious Eye Damage/Irritation:</b>	May cause eye irritation
<b>Respiratory Sensitization:</b>	Not Classified
<b>Skin Sensitization:</b>	Not Classified
<b>STOT-Single Exposure:</b>	May cause respiratory irritation
<b>Aspiration Hazard:</b>	Not Classified
LONG-TERM	
<b>Carcinogenicity:</b>	May cause cancer through inhalation of dust
<b>Germ Cell Mutagenicity:</b>	Not Classified
<b>Reproductive Toxicity:</b>	Not Classified
<b>STOT-Repeated Exposure:</b>	May cause damage to organs through prolonged or repeated exposure
<b>Synergistic/Antagonistic Effects:</b>	Not Classified

## Section 12: ECOLOGICAL INFORMATION

### 12.1. ECOTOXICITY

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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
Ethylene Glycol	74,000 mg/L, Daphnia magna	18,500 mg/L, Oncorhynchus mykiss
Crystalline Silica, Quartz	Not Available	Not Available
Mineral Spirits	20 mg/L, Daphnia magna	20 mg/L, Fish
Sodium Hydroxide	>35 mg/L, Ceriodaphnia dubia	125 mg/L, Gambusia affinis

**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
<b>UN NUMBER:</b>  Not Regulated	<b>UN NUMBER:</b>  Not Regulated	<b>UN NUMBER:</b>  Not Regulated
<b>UN PROPER SHIPPING NAME:</b>  Not Regulated	<b>UN PROPER SHIPPING NAME:</b>  Not Regulated	<b>UN PROPER SHIPPING NAME:</b>  Not Regulated
<b>TRANSPORT HAZARD CLASS (ES):</b>  Not Regulated	<b>TRANSPORT HAZARD CLASS (ES):</b>  Not Regulated	<b>TRANSPORT HAZARD CLASS (ES):</b>  Not Regulated
<b>PACKING GROUP (if applicable):</b>  Not Regulated	<b>PACKING GROUP (if applicable):</b>  Not Regulated	<b>PACKING GROUP (if applicable):</b>  Not Regulated

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

**14.1. ENVIRONMENTAL HAZARDS**



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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 (CFR29 1910.1200) HazCom 2012

### 15.2. US FEDERAL INFORMATION:

CHEMICAL NAME	SARA TITLE III			
	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
Ethylene Glycol	Not Listed	Not Listed	Not Listed	Listed
Crystalline Silica, Quartz	Not Listed	Not Listed	Not Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Hydroxide	Not Listed	Not Listed	Listed	Not Listed

### 15.3. US STATE RIGHT TO KNOW LAWS:

<b>California Proposition 65:</b>	 <b>WARNING:</b> This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer, and ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .
<b>Other U.S. States "Right to Know" Lists:</b>	Calcium Carbonate: <b>CAS#1317-65-3</b> Ethylene Glycol: <b>CAS#107-21-1</b> Silica, Quartz: <b>CAS#14808-60-7</b> Mineral Spirits: <b>CAS#64742-47-8</b> Sodium Hydroxide: <b>CAS#1310-73-2</b>

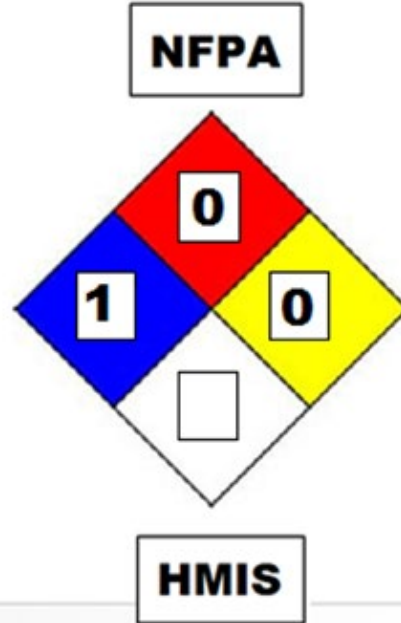
### 15.4. GLOBAL INVENTORIES

Chemical Name	USA TSCA	Canada DSL/NDSL
Calcium Carbonate	TSCA	NDSL
Ethylene Glycol	TSCA	DSL
Crystalline Silica, Quartz	TSCA	DSL
Mineral Spirits	TSCA	DSL
Sodium Hydroxide	TSCA	DSL












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### 15.5. NFPA AND HMIS RATINGS:

<b>HEALTH HAZARD</b> <b>4</b> EXTREME - Highly toxic. May be fatal on short term exposure. <b>3</b> SERIOUS - Toxic. Full protective suit and breathing apparatus should be worn. <b>2</b> MODERATE - Breathing apparatus and face mask must be worn. <b>1</b> SLIGHT - Breathing apparatus may be worn. <b>0</b> MINIMAL - No precautions necessary.	<b>FLAMMABILITY HAZARD</b> <b>4</b> EXTREME - Extremely flammable gas or liquid. Flash Point below 72°F. <b>3</b> SERIOUS - Flammable. Flash Point 73°F to 300°F. <b>2</b> MODERATE - Combustible. Requires moderate heating to ignite. Flash Point below 200°F. <b>1</b> SLIGHT - Slightly combustible. Requires strong heating to ignite. <b>0</b> MINIMAL - Will not burn under normal conditions.
<b>SPECIFIC HAZARD</b>  OXIDIZER <b>OXY</b> ACID <b>ACID</b> ALKALI <b>ALK</b> CORROSIVE <b>COR</b> Use NO WATER <b>W</b> RADIATION <b>R</b>	<b>INSTABILITY HAZARD</b> <b>4</b> EXTREME - Explosive at room temperature. <b>3</b> SERIOUS - May detonate if shocked or heated under confinement or mixed with water. <b>2</b> MODERATE - Unstable. May react with water. <b>1</b> SLIGHT - May react if heated or mixed with water. <b>0</b> MINIMAL - Normally stable. Does not react with water.



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

<b>1</b> HEALTH	<b>PROTECTIVE EQUIPMENT INDEX</b>	
<b>0</b> FLAMMABILITY	<b>A</b> 	<b>G</b> 
<b>0</b> REACTIVITY	<b>B</b> 	<b>H</b> 
<b>E</b> PERSONAL PROTECTION	<b>C</b> 	<b>I</b> 
	<b>D</b> 	<b>J</b> 
	<b>E</b> 	<b>K</b> 
	<b>F</b> 	<b>X</b> Ask your supervisor for special handling instructions.

### 15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

<b>CP65</b>	California Proposition 65
<b>OSHA (O)</b>	Occupational Safety and Health Administration
<b>ACGIH (G)</b>	American Conference of Governmental Industrial Hygienists <ul style="list-style-type: none"> <li>• A1 – Confirmed human carcinogen</li> <li>• A2 – Suspected human carcinogen</li> <li>• A3 – Animal carcinogen</li> <li>• A4 – Not classifiable as a human carcinogen</li> <li>• A5 – Not suspected a human carcinogen</li> </ul>
<b>IARC (I)</b>	International Agency for Research on Cancer <ul style="list-style-type: none"> <li>• 1 – The agent (mixture) is carcinogenic to humans</li> <li>• 2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient</li> </ul>

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	evidence of carcinogenicity in experimental animals. <ul style="list-style-type: none"> <li>• 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.</li> <li>• 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.</li> <li>• 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.</li> </ul>
<b>NTP (N)</b>	National Toxicology Program <ul style="list-style-type: none"> <li>• 1 – Known to be carcinogens</li> <li>• 2 – Reasonably anticipated to be carcinogens</li> </ul>

### Section 16: OTHER INFORMATION

**Date of Preparation:** September 16, 2014

**Version:** 2.2

**Revision Date:** November 16, 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) 272-8786  
[www.custombuildingproducts.com](http://www.custombuildingproducts.com)

## End of Safety Data Sheet