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## SAFETY DATA SHEET

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### Section 1: IDENTIFICATION

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#### 1.1 PRODUCT IDENTIFIER

**Product Name:** Aqua Mix® Sulfamic Acid Crystals

**Product Code:** Not Available

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

**Product Use:** Cleaner

#### 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)

**Skin Corrosion** **Category 1B**  
**Serious Eye Damage** **Category 1**

#### 2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

**2.2a SIGNAL WORD:**  
DANGER!

**2.2b HAZARD STATEMENTS**  
Causes severe skin burns  
Causes serious eye damage

#### 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/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use in a well-ventilated area. Do not handle until all safety precautions have been read and understood. Wear impervious gloves/protective clothing/eye protection/face protection.
<b>ii. RESPONSE</b>	If on skin or hair: Take off immediately all contaminated clothing. Rinse skin with water. Remove all contaminated clothing and wash 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: Do NOT induce vomiting. If exposed or concerned: get medical advice/attention.
<b>iii. STORAGE</b>	Store locked up. Store in a well-ventilated place. 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**

<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 %
Sulfamic Acid	5329-14-6	60 – 100%*

\*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 at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
<b>Skin Contact:</b>	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.

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- 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>	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
<b>Skin Contact:</b>	Causes severe skin burns. Handling can cause dry skin, discomfort; can also produce inflammation and blistering.
<b>Inhalation:</b>	May cause respiratory tract irritation.
<b>Ingestion:</b>	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: formation of ammonia and oxides of sulfur and nitrogen
- 5.3b. Explosion Data**
- i. Sensitivity to Mechanical Impact:**

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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. 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.

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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, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust/mist/vapors/spray. 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.

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## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 CONTROL PARAMETER

**Exposure Guidelines:**

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Occupational Exposure Limits		
Chemical Name	OSHA-PEL	ACGIH-TLV
Sulfamic Acid	Not Available	Not Available

### 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.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.):</b>	Solid Crystal
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not Available
<b>pH:</b>	~ 1 in solution
<b>Melting point/Freezing point:</b>	Decomposition
<b>Initial boiling point and boiling range:</b>	Not Available
<b>Flash point:</b>	Not Available
<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>	2.15 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>	408.2°F (209°C)

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<b>Viscosity (cps):</b>	Not Available
<b>VOC Content:</b>	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 oxidizing agents, strong bases

**10.6. HAZARDOUS DECOMPOSITION PRODUCTS**

May include, and are not limited to: formation of ammonia and oxides of sulfur and nitrogen.

### 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 severe skin burns. Handling can cause dry skin, discomfort; can also produce inflammation and blistering.

**Inhalation:** May cause respiratory tract irritation.

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

Acute Toxicity		
Chemical Name	LC50	LD50
Sulfamic Acid	Not Available	Oral: 3160 mg/kg, rat

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)
Sulfamic Acid	Not Listed

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

SHORT-TERM	
<b>Skin Corrosion/Irritation:</b>	Causes severe skin burns
<b>Serious Eye Damage/Irritation:</b>	Causes serious eye damage
<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>	Not Classified
<b>Germ Cell Mutagenicity:</b>	Not Classified
<b>Reproductive Toxicity:</b>	Not Classified
<b>STOT-Repeated Exposure:</b>	Not Classified
<b>Synergistic/Antagonistic Effects:</b>	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
Sulfamic Acid	Not Available	70.3 mg/L, Pimephales promelas

### 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>	<b>UN NUMBER:</b>	<b>UN NUMBER:</b>

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UN 2967	UN 2967	UN 2967
<b>UN PROPER SHIPPING NAME:</b>  Sulfamic Acid	<b>UN PROPER SHIPPING NAME:</b>  Sulfamic Acid	<b>UN PROPER SHIPPING NAME:</b>  Sulfamic Acid
<b>TRANSPORT HAZARD CLASS (ES):</b>  8	<b>TRANSPORT HAZARD CLASS (ES):</b>  8	<b>TRANSPORT HAZARD CLASS (ES):</b>  8
<b>PACKING GROUP (if applicable):</b>  III	<b>PACKING GROUP (if applicable):</b>  III	<b>PACKING GROUP (if applicable):</b>  III
Limited Quantity Exception <= 5 KG	Limited Quantity Exception <= 5 KG	Limited Quantity Exception <= 5 KG

**SUMMARY:** Product is regulated under DOT/TDG 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 (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)
Sulfamic Acid	Not Listed	Not Listed	Not Listed	Not Listed

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

<b>California Proposition 65:</b>	This product does <b>NOT</b> contain a chemical known to the State of California to cause cancer, birth defects and other reproductive harm.
<b>Other U.S. States "Right to Know" Lists:</b>	Sulphamidic Acid: <b>CAS#5329-14-6</b>

**15.4. GLOBAL INVENTORIES**

Chemical Name	USA TSCA	Canada DSL/NDL



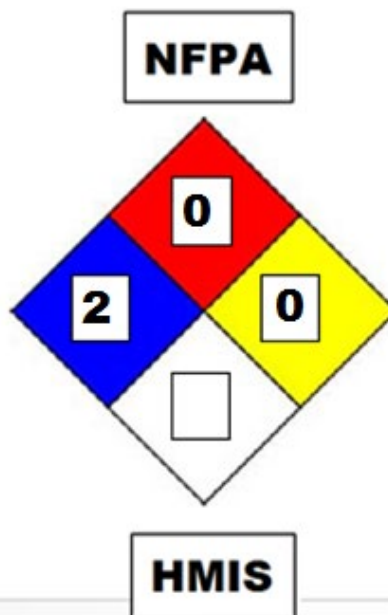
Conforms to OSHA HazCom 2012 Standard and WHMIS 2015

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Sulfamic Acid	Yes	DSL
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### 15.5. NFPA AND HMIS RATINGS:

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



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

<p><b>2</b> HEALTH</p> <p><b>0</b> FLAMMABILITY</p> <p><b>0</b> REACTIVITY</p> <p><b>B</b> PERSONAL PROTECTION</p>	<p><b>PROTECTIVE EQUIPMENT INDEX</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>A</b> </td> <td style="width: 50%;"><b>G</b> </td> </tr> <tr> <td><b>B</b> </td> <td><b>H</b> </td> </tr> <tr> <td><b>C</b> </td> <td><b>I</b> </td> </tr> <tr> <td><b>D</b> </td> <td><b>J</b> </td> </tr> <tr> <td><b>E</b> </td> <td><b>K</b> </td> </tr> <tr> <td><b>F</b> </td> <td><b>X</b> Ask your supervisor for special handling instructions.</td> </tr> </table>	<b>A</b>	<b>G</b>	<b>B</b>	<b>H</b>	<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.
<b>A</b>	<b>G</b>												
<b>B</b>	<b>H</b>												
<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</li> </ul>

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	<p>is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.</p> <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>	<p>National Toxicology Program</p> <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:** June 1, 2015

**Version:** 4.2

**Revision Date:** December 1, 2020

**Disclaimer:** We believe that the statements, technical information and recommendations contained in this Safety Data Sheet are true, but they are given without warranty of any kind. The information in this document applies to this specific substance as supplied. They may not be valid for this substance if it is used in combination with any other substance. It is the user's responsibility to ensure the relevance and completeness of this information for the particular use he will make of it. 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  
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## End of Safety Data Sheet