Conforms to OSHA HazCom 2012 Standard and WHMIS

SAFETY DATA SHEET

Section 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product Name: TileLab® Sulfamic Acid Cleaner
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
3490 Piedmont Road, Suite 1300
Atlanta, GA 30305

Telephone Number: (562)-598-8808

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 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
SAFETY DATA SHEET

2.2d PRECAUTIONARY STATEMENTS

| i. PREVENTION | Wash hands thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. |
| ii. RESPONSE | If on skin or hair: Take off immediately all contaminated clothing. Rinse skin with water. Remove 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. |
| iii. STORAGE | Store locked up. 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
   0% 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>Sulfamic Acid</td>
<td>5329-14-6</td>
<td>60 – 100%*</td>
</tr>
</tbody>
</table>

* The composition of the product has been expressed as a range due to batch-to-batch variability

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...</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

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

<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 severe skin burns. Handling can cause dry skin, discomfort; can also produce inflammation and blistering.</td>
</tr>
<tr>
<td>Inhalation:</td>
<td>May cause respiratory tract irritation.</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 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:
Not available.

ii. Sensitivity to Static Discharge:
Not available.

---

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: Use appropriate Personal Protective Equipment (PPE). Put the spilled solid crystal in a convenient waste disposal container. Do not flush to sewer or allow to enter waterways.

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 chemical resistant 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 fumes. 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
SAFETY DATA SHEET

closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. 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>Sulfamic Acid</td>
<td>Not Available</td>
<td>Not Available</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 protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]

ii. Skin Protection:

1. Hand Protection: Wear chemical resistant gloves, such as nitrile.

2. Body Protection: Wear suitable protective clothing.

iii. Respiratory Protection: A NIOSH approved dust mask or filtering face piece 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>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (physical state, color, etc.):</td>
<td>Solid Crystal</td>
</tr>
<tr>
<td>Odor:</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold:</td>
<td>Not available</td>
</tr>
<tr>
<td>pH:</td>
<td>~ 1 in solution</td>
</tr>
<tr>
<td>Melting point/Freezing point:</td>
<td>Decomposition</td>
</tr>
</tbody>
</table>
Initial boiling point and boiling range: Not available
Flash point: Not available
Evaporation rate (Water=1): Not available
Flammability: Not flammable
Upper Flammability/Explosive Limit: Not available
Lower Flammability/Explosive Limit: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Relative Density: 2.15 g/mL
Solubility in Water: Not available
Partition coefficient: n-octanol/water: Not available
Auto-ignition temperature: Not available
Decomposition Temperature: 209°C
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 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 severe eye irritation. 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,
SAFETY DATA SHEET

irritation, and dermatitis.

Inhalation: May cause respiratory tract irritation.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td>Not available</td>
<td>Oral: 3160 mg/kg, rat</td>
</tr>
</tbody>
</table>

<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>Sulfamic Acid</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

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

**SHORT-TERM**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Causes severe skin burns</td>
</tr>
<tr>
<td>Serious Eye Damage/Irritation</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>Respiratory Sensitization</td>
<td>Not available</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>Not available</td>
</tr>
<tr>
<td>STOT-Single Exposure</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**LONG-TERM**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogenicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>STOT-Repeated Exposure</td>
<td>Not available</td>
</tr>
<tr>
<td>Synergistic/Antagonistic Effects</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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>EC50/NOEC-48 Hours</th>
<th>LC50/NOEC-96 Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td>Not available</td>
<td>Pimephales promelas (fathead minnow) 70.3 mg/l – 96h</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

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>
</tr>
</thead>
<tbody>
<tr>
<td>UN NUMBER:</td>
<td>UN NUMBER:</td>
</tr>
<tr>
<td>UN 2967</td>
<td>UN 2967</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>UN PROPER SHIPPING NAME:</td>
<td>UN PROPER SHIPPING NAME:</td>
</tr>
<tr>
<td>Sulfamic Acid</td>
<td>Sulfamic Acid</td>
</tr>
<tr>
<td>TRANSPORT HAZARD CLASS (ES):</td>
<td>TRANSPORT HAZARD CLASS (ES):</td>
</tr>
<tr>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>PACKING GROUP (if applicable):</td>
<td>PACKING GROUP (if applicable):</td>
</tr>
<tr>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>Limited Quantity Exception &lt;= 5 KG</td>
<td>Limited Quantity Exception &lt;= 5 KG</td>
</tr>
</tbody>
</table>

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
SAFETY DATA SHEET

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 Controlled Products Regulations and the SDS contains all the information required by the Controlled 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>Sulfamic Acid</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: This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

- New Jersey: Sulphamidic Acid: CAS-No 5329-14-6
- Pennsylvania: Sulphamidic Acid: CAS-No 5329-14-6
- Massachusetts: Not Available
- Minnesota: Not Available
- Florida: Not Available
- Michigan: Not Available

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>Sulfamic Acid</td>
<td>Yes</td>
<td>DSL</td>
</tr>
</tbody>
</table>
15.5. NFPA AND HMIS RATINGS:

**NFPA**
- **4** - Severe Hazard
- **3** - Serious Hazard
- **2** - Moderate Hazard
- **1** - Slight Hazard

**HMIS**
- **2** - Health
- **0** - Flammability
- **0** - Reactivity

15.6. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

<table>
<thead>
<tr>
<th>Source 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></td>
<td>• A1 – Confirmed human carcinogen</td>
</tr>
<tr>
<td></td>
<td>• A2 – Suspected human carcinogen</td>
</tr>
<tr>
<td></td>
<td>• A3 – Animal carcinogen</td>
</tr>
<tr>
<td></td>
<td>• A4 – Not classifiable as a human carcinogen</td>
</tr>
<tr>
<td></td>
<td>• A5 – Not suspected a human carcinogen</td>
</tr>
<tr>
<td>IARC (I)</td>
<td>International Agency for Research on Cancer</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>NTP (N)</th>
<th>National Toxicology Program</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• 1 – Known to be carcinogens</td>
</tr>
<tr>
<td></td>
<td>• 2 – Reasonably anticipated to be carcinogens</td>
</tr>
</tbody>
</table>

- 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.

Section 16: OTHER INFORMATION

Date of Preparation: June 1, 2015
Version: 4.0
Revision Date: July 7, 2016

Disclaimer: We believe the statements, technical information and recommendations contained are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.

Prepared by: Custom Building Products
Phone: (562)-968-2980
www.custombuildingproducts.com

End of Safety Data Sheet