Emergency Assistance

For emergency assistance involving chemicals call
Chemtrec - (800) 424-9300
1. Identification

Product identifier: SULFAMIC ACID SOLID

Other means of identification
SDS number: 000100002303

Recommended use and restriction on use

Recommended use: Reserved for industrial and professional use.

Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Univar
3075 Highland Pkwy STE 200
Downers Grove, IL 60515
425-889-3400

Emergency telephone number: For emergency assistance involving chemicals

Call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

2. Hazard(s) identification

Hazard Classification

Health Hazards

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 2A

Environmental Hazards

Acute hazards to the aquatic environment Category 3

Chronic hazards to the aquatic environment Category 3

Label Elements

Hazard Symbol
**Signal Word** | Warning  
---|---  
**Hazard Statement** | Causes skin irritation.  
| Causes serious eye irritation.  
| Harmful to aquatic life.  

**Precautionary Statements**  

**Prevention** | Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.  

**Response** | 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 ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see this label). Take off contaminated clothing.  

**Disposal** | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.  

**Other hazards which do not result in GHS classification** | None.
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>Content in percent (%)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td></td>
<td>5329-14-6</td>
<td>100%</td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: The components are not hazardous or are below required disclosure limits.

4. First-aid measures

General information: Get medical advice/attention.
Ingestion: Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Most important symptoms/effects, acute and delayed
Symptoms: No data available.

Indication of immediate medical attention and special treatment needed
Treatment: No data available.

5. Fire-fighting measures

General Fire Hazards: Wear self-contained breathing apparatus and protective clothing.
Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use: Foam. Carbon dioxide or dry powder.

Unsuitable extinguishing media: No data available.
Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Avoid breathing fire vapors. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Methods and material for containment and cleaning up: Sweep or scoop up and remove.

Environmental Precautions: Avoid release to the environment.

7. Handling and storage

Precautions for safe handling: Wear suitable protective clothing. Use only in well-ventilated areas. Wear eye/face protection. Do not breathe dust/fume/mist. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities: Store in appropriate chemical storage area.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits: None of the components have assigned exposure limits.

Appropriate Engineering Controls: Adequate ventilation should be provided so that exposure limits are not exceeded.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Eye/face protection: Wear goggles/face shield.

Skin Protection

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**Hand Protection:** Chemical resistant gloves

**Other:** Chemical resistant clothing

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator.

**Hygiene measures:** When using do not eat, drink or smoke. Wash thoroughly after handling.

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### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state:</strong></td>
<td>solid</td>
</tr>
<tr>
<td><strong>Form:</strong></td>
<td>solid</td>
</tr>
<tr>
<td><strong>Color:</strong></td>
<td>opaque white</td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
<td>Odorless</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>pH:</strong></td>
<td>1.18</td>
</tr>
<tr>
<td><strong>Melting point/freezing point:</strong></td>
<td>205 °C</td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range:</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Flash Point:</strong></td>
<td>The product is non-combustible.</td>
</tr>
<tr>
<td><strong>Evaporation rate:</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas):</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Upper/lower limit on flammability or explosive limits</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Flammability limit - upper (%):</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Flammability limit - lower (%):</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Explosive limit - upper (%):</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Explosive limit - lower (%):</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Vapor pressure:</strong></td>
<td>0.78 Pa (20 °C)</td>
</tr>
<tr>
<td><strong>Vapor density:</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Relative density:</strong></td>
<td>2.13</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Solubility in water:</strong></td>
<td>181.4 g/l (20 °C)</td>
</tr>
<tr>
<td><strong>Solubility (other):</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
<td>No data available.</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>209 °C</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
<td>No data available.</td>
</tr>
</tbody>
</table>
10. Stability and reactivity

Reactivity: No data available.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions:
Condition to avoid: Heat, sparks, flames.
Hazardous Decomposition Products: No data available.

11. Toxicological information

Symptoms related to the physical, chemical and toxicological characteristics
Ingestion: No data available.
Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.

Information on toxicological effects
Acute toxicity (list all possible routes of exposure)
Oral
Product: LC 50 (Rat): 3,160 mg/kg
ATEmix (): 2,000 mg/kg
Dermal
Product: LC 50 (Rat): > 2,000 mg/kg
ATEmix (): 2,000 mg/kg
Inhalation
Product: No data available.
Repeated dose toxicity
Product: No data available.
Skin Corrosion/Irritation
Product: (Rabbit, 24 h): Irritating to skin.
Serious Eye Damage/Eye Irritation
Product: (Rabbit): Irritating to eyes.
Respiratory or Skin Sensitization
Product: No data available.
Carcinogenicity
Product: No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:  
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:  
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity  
In vitro  
Product: No data available.

In vivo  
Product: No data available.

Reproductive toxicity  
Product: No data available.

Specific Target Organ Toxicity - Single Exposure  
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure  
Product: No data available.

Aspiration Hazard  
Product: No data available.

Other effects: No data available.

12. Ecological information

Ecotoxicity:  
Acute hazards to the aquatic environment:  
Fish  
Product: LC 50 (Fathead minnow (Pimephales promelas), 96 h): 70.3 mg/l

Aquatic Invertebrates  
Product: EC 50 (Water flea (Daphnia magna), 24 h): 71.6 mg/l

Chronic hazards to the aquatic environment:  
Fish  
Product: No data available.

Aquatic Invertebrates  
Product: No data available.

Toxicity to Aquatic Plants  
Product: EC 50 (Alga, 72 h): 48 mg/l

Persistence and Degradability  
Biodegradation  
Product: No data available.
BOD/COD Ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: The product is not bioaccumulating.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments
Sulphamidic acid No data available.

13. Disposal considerations

Disposal instructions: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT
UN Number: UN 2967
UN Proper Shipping Name: Sulfamic acid
Transport Hazard Class(es)
Class: 8
Label(s): 8
Packing Group: III
Marine Pollutant: Not regulated.
Special precautions for user: –

15. Regulatory information
US Federal Regulations

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
- [x] Acute (Immediate)
- [x] Chronic (Delayed)
- [ ] Fire
- [ ] Reactive
- [ ] Pressure Generating

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic Acid</td>
<td>500 lbs</td>
</tr>
</tbody>
</table>

SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65
No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act
Sulfamic Acid Listed

US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances
No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.
**Inventory Status:**
- **US TSCA Inventory:** On or in compliance with the inventory.
- **Australia AICS:** Not in compliance with the inventory.
- **Canada DSL Inventory List:** Not in compliance with the inventory.
- **EINECS, ELINCS or NLP:** On or in compliance with the inventory.
- **Japan (ENCS) List:** Not in compliance with the inventory.
- **China Inv. Existing Chemical Substances:** Not in compliance with the inventory.
- **Korea Existing Chemicals Inv. (KECI):** Not in compliance with the inventory.
- **Canada NDSL Inventory:** Not in compliance with the inventory.
- **Philippines PICCS:** Not in compliance with the inventory.
- **New Zealand Inventory of Chemicals:** Not in compliance with the inventory.
- **Japan ISHL Listing:** Not in compliance with the inventory.
- **Japan Pharmacopoeia Listing:** Not in compliance with the inventory.
- **Mexico INSQ:** Not in compliance with the inventory.
- **Ontario Inventory:** Not in compliance with the inventory.
- **Taiwan Chemical Substance Inventory:** Not in compliance with the inventory.

**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

<table>
<thead>
<tr>
<th>Health</th>
<th>3</th>
<th>E - Safety Glasses, Gloves &amp; Dust Respirator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Physical Hazards</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**PERSONAL PROTECTION**

E

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

**NFPA Hazard ID**

- Red: Flammability
- Blue: Health
- Yellow: Reactivity
- White: Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 02/07/2018
**Revision Date:** No data available.
**Version #:** 1.3
**Further Information:** No data available.

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