

**AERCHEM INC.**  
**320 N. Walnut St.**  
**Bloomington, IN 47404**

**Tel: 812.334.9996**

**Fax: 812.334.1960**

**Emergency: 800-424-9300**

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**Effective Date:** November of 1992

**Product Name:** Sulfamic Acid

**Chemical Formula:** HSO<sub>3</sub> NH<sub>2</sub>

**Cas No.:** 5329-14-6

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**Hazardous Ingredients:** Amidosulfonic Acid  
Aminosulfonic Acid

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**Physical Data:**

Melting point (range) Approx.:	205 <sup>0</sup> C
Boiling point:	Decomposes
Solubility in water:	Moderately soluble in water and organic solvents.
Odor:	No odor.
Physical form:	White crystalline.
Vapor pressure:	N/A
Tap density:	

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**Fire and Explosion Information:**

Flash point: N/A  
(Auto) Ignition temperature:  
Extinguishing media to be recommended: Water, chemical foam, carbon dioxide, dry chemical.  
to be avoided: Sulfur dioxide, sulfur trioxide, and ammonia gas may be released in fire.  
Special fire and explosions precautions: Wear self-contained breathing apparatus.

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**Reactivity Data:**      **Stable**   X                        **Unstable** \_\_\_\_\_

**Hazardous Decomposition:** Decomposition with heat (209<sup>0</sup>C) to release sulfur dioxide, sulfur trioxide, nitrogen, water and ammonia gas.

**Hazardous Polymerization:** Will not occur.

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**Incompatibilities:** May react with chlorine, hypochlorous acid, hypochlorites, cyanides or sulfides.

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**Handling and Storage Information:** Avoid contact with skin and eyes. Store in cool dry place. Do not store with cyanides, sulfides, chlorine, hypochlorous acid or hypochlorites.

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**Leak/Spill Information:** Drench any spillage of material with water and flush away with plenty of water to waste water treatment system. It may be neutralized with alkalis.

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**Disposal Information:** Neutralize with alkalis. Comply with all local, state, and federal regulations.

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**Health Hazard Information:**

**A. Exposure/Health Effects**

**Inhalation:** May result in irritation.

**Ingestion:** May result in irritation.

**Skin Contact:** May result in irritation.

**Eye contact:** May result in irritation.

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**Chronic Exposures:**

**Aggravation of pre-existing conditions:**

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**B. First Aid:**

**Inhalation:** Remove victim to fresh air, if irritation persists, seek medical attention.

**Ingestion:** Give copious quantities of fluids; seek medical attention.

**Skin Contact:** Wash thoroughly with soap and water.

**Eye Contact:** Flush with water for 15 minutes.

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**C. Toxicity Data**

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**Occupational Control Measures:**

**Airborne Exposure Limits:**

**Ventilation Systems:** Local exhaust system.

**Personal Respirators:** Respirator with dust filter.

**Skin Protection:** Rubber gloves.

**Eye Protection:** Chemical splash goggles.

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