

**AERCHEM INC.**  
**320 North Walnut**  
**Bloomington, IN 47408**

Tel: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

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**SECTION 1: IDENTIFICATION**

**Effective Date:** 12-1-94  
**Product Name:** Ammonium Sulfamate  
**Chemical Formula:**  $\text{NH}_4\text{SO}_3\text{NH}_2$   
**Cas No.:** 7773-06-0

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**SECTION 2: HAZARDOUS INGREDIENTS**

**Hazardous Components:** Ammonium Sulfamate  
**OSHA PEL:** Acute Oral  $\text{LD}_{50}$ =3900 mg/kg  
**ACGIH TLV:** 10 mg/m<sup>3</sup>

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**SECTION 3: PHYSICAL DATA**

**Physical Data:**  
Appearance and Odor: Small white crystals, odorless  
Boiling point: 320°F  
Vapor Pressure (mmHg): Negligible  
Specific Gravity (Water=1): Bulk density=70 lb/ft<sup>3</sup>  
Solubility in water: 60% at 24°C (75°F) (Approximately)  
Melting Point: N/A  
Vapor Density: N/A  
Evaporation Rate (Butyl Acetate=1) 0

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**SECTION 4: FIRE AND EXPLOSION DATA**

**Fire and Explosion Information:**  
Flash point: N/A  
Flammable limit: None  
Extinguishing Media: Non-combustible. If product involved in a fire, any extinguishing media appropriate for the fire may be used.  
Fire Fighting Procedures: Firefighters should wear butyl rubber boots, gloves and body suit and a self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards: Not flammable, but may release ammonia and sulfur oxide gases if product is involved in a fire.

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**SECTION 5: REACTIVITY DATA**

**Reactivity Data:**  
Stable   X   Unstable           

**Conditions to Avoid:**

**Incompatibilities:** Nitrate, nitrite, chlorate  
**Hazardous Decomposition or byproducts:** Ammonia and sulfur oxide gases can occur above 160°C (320°F).  
**Hazardous Polymerization:** Will not occur

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**SECTION 6: HEALTH HAZARD DATA**

<b>Routes of Entry:</b>	Skin, ingestion
<b>Health Hazards (Acute and Chronic):</b>	None known
<b>Carcinogenicity:</b>	None known
<b>Signs and Symptoms of Exposure:</b>	Irritating to eyes
<b>Medical Conditions Generally Aggravated By Exposure:</b>	None known
<b>Emergency and First Aid Procedures:</b>	Eye contact-immediately flush with plenty of water for at least 15 minutes. Call physician.

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**SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to be taken in case material is released or spilled:**

Clean up promptly. Do not flush with water. Pick up dry by vacuum or other effective means.

**Waste Disposal Method:**

Comply with Federal, State and Local regulations. If buried, use area away from desirable plants, and not close to water supply.

**Other Precautions:**

None

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**SECTION 8: CONTROL MEASURES**

**Ventilation:**

**Local exhaust:** Good practice to minimize exposure.

**Mechanical (General):** None

**Special:** None

**Other:** None

**Eye Protection:**

Chemical splash goggles if there is reasonable probability of exposure.

**Protective Gloves:**

Rubber gloves suggested.

**Respiratory Protection:**

Chemical cartridge respirator with dust filter should be worn, if nuisance dust exposure limits in air are exceeded.

**Other Protective Clothing or Equipment:**

Eye bath and safety shower.

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