



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### AMMONIUM SULFAMATE

#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

American International Chemical, Inc. 135 Newbury Street Framingham, MA 01701	Emergency Number: Chemtrec Information Number:	800-424-9300 703-527-3887 800-238-0001
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Date: August 2007

Synonyms: Sulfamic Acid Monoammonium Salt

CAS #: 7773-06-0

DOT Hazard Class: Not Regulated

#### SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENT

Ammonium Sulfamate 99.5% min.

#### SECTION 3 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Hydroscopic, odorless white crystals. May cause irritation to eyes, skin and respiratory tract.

**POTENTIAL HEALTH EFFECTS:**

**Eyes and Skin:** May cause irritation and redness to eyes.

**Inhalation:** May cause irritation and burning sensation.

**Ingestion:** May cause stomach pain.

**CARCINOGENICITY:** Not listed under OSHA, IARC, or NTP.

#### SECTION 4 - FIRST AID MEASURES

**BREATHING:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

**SKIN:** Immediately flush with large amounts of water for at least 15 minutes. Use soap, if available.

Remove contaminated clothing, including shoes, after flushing has begun. Get prompt medical attention if symptoms occur. Thoroughly wash or discard clothes and shoes before reuse.

**EYE:** Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart. Get medical attention if irritation or other symptoms occur.

**SWALLOWING:** Dilute with milk or water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

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## **SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point: Non combustible

Flammable Limits: Non combustible

Extinguishing Media: Use media that is appropriate to treat surrounding fire.

Special Fire Fighting Procedures:

Use fire fighting procedure that is appropriate to treat surrounding fire.

Unusual Fire Explosion Hazard: Decomposes at 320°F. May generate ammonia gas, sulfur dioxide or trioxide gases.

Auto Ignition Temperature: Not Applicable

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel.

Contain spill, sweep up, collect and place in a disposal container. Avoid runoff into storm sewers and ditches which lead to waterways.

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## **SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use normal personal hygiene and housekeeping. Store in cool dry area away from other incompatible materials. Product is slightly hygroscopic and should be stored in a dry area to prevent moisture pick up and caking.

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## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

RESPIRATORY PROTECTION: If dusty, use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area.

SKIN AND EYE PROTECTION: Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect skin from dust.

WORK, HYGIENIC PRACTICES:

As required to protect skin and eyes from dust, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

EXPOSURE GUIDELINES:	OSHA:	15mg/m <sup>3</sup> (total) - 5 mg/m <sup>3</sup> (resp)
	NIOSH:	10 mg/m <sup>3</sup> (total) - 5 mg/m <sup>3</sup> (resp)
	IDLH:	1500 mg/m <sup>3</sup>

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: 320°F (Decomposes)

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 1.77

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 268°F

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Appreciable

pH: of a 0.2 molar, aqueous solution is 4.9

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## **SECTION 10 - STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: At temperature above 160°C, ammonium and other toxic gases may be released.

KEEP AWAY FROM: High temperatures, hot water.

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## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Not Available

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## **SECTION 12 - ECOLOGICAL INFORMATION**

Not available

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## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

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**SECTION 14 - TRANSPORTATION INFORMATION**

D.O.T. SHIPPING NAME:.....Not Regulated

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**SECTION 15 - REGULATORY INFORMATION**

TSCA (TOXIC SUBSTANCE CONTROL ACT):

This product is listed on the TSCA Inventory.

CERCLA REPORTABLE REQUIREMENTS: (RQ) 5,000 lbs

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category: Immediate (acute) Health Hazard

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**SECTION 16 - OTHER INFORMATION**

Reason for Issue: Changed Date

**This information is given without any warranty or representation. It is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. American International Chemical, Inc., shall not be held liable for any damage resulting from handling or contact with the above product. It is offered solely for your consideration, investigation and verification.**

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