



# American International Chemical, Inc.

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## MATERIAL SAFETY DATA SHEET

### ALUMINUM SODIUM SULFATE

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#### 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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Revision Date: August 2007

Synonyms: SAS - Sodium Aluminum Sulfate

CAS #: 10102-71-3

DOT Hazard Class: Not Regulated

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

Sodium Aluminum Sulfate 96.5%  
TLV: 2 mg Al/cu.m (ACGIH)

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#### SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White powder with no odor. Alkalies cause exothermic reactions. Temperatures above 760°C yield toxic and corrosive gases.

POTENTIAL HEALTH EFFECTS:

**Inhalation:** May irritate respiratory tract.

**Ingestion:** May irritate gastrointestinal tract.

**Skin:** May cause skin irritation.

**Eyes:** Dust or mist may irritate or burns eyes.

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

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#### **SECTION 4 - FIRST AID MEASURES**

**Eyes:** Flush immediately with water, continuing for at least 15 minutes. If irritation persists, get medical attention. Do not neutralize with chemicals.

**Skin:** Flush with plenty of soap and water, removing contaminated clothing. If irritation develops, get medical attention.

**Inhalation:** Promptly remove to fresh air.

**Ingestion:** If conscious and free of convulsions, immediately give a large quantity of water or milk. Do not give carbonates or bicarbonates. If not already vomiting, induce vomiting by touching finger to back of throat. Get medical evaluation. If unconscious or having convulsions, do nothing except keep victim warm. Get medical assistance immediately.

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

Flash Point: Not Flammable

Flammable Limits: Not Applicable

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. Wear self contained breathing apparatus approved by NIOSH.

Unusual Fire Explosion Hazard:

Temperatures above 760°C yield toxic and corrosive 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. Spray residue with plenty of water. Neutralize any further residue with alkali such as soda ash, lime or limestone. Adequate ventilation is required if soda ash, lime, or limestone is used because of the potential release of carbon dioxide gas.

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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: Use NIOSH/MSHA approved respirators.

VENTILATION REQUIREMENTS: Ventilate as necessary to eliminate dust from the work area. See **Section 6 above**.

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: None Established

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

Boiling Point: (Decomposes above 760°C)

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): > 1

Percent Volatile by Volume (%): Not Applicable

Melting Point: (Decomposes above 760°C)

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: 29.1% at 20°C

pH: 3.4

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

CHEMICAL STABILITY: Stable under normal temperature of pressure.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Temperatures above 760°C yield toxic and corrosive gases.

KEEP AWAY FROM: Alkalies cause exothermic reactions.

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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**

This product is listed on the TSCA Inventory.

CERCLA REPORTABLE REQUIREMENTS: (RQ) None

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted

Section 313 Toxic Chemicals: Unlisted

Section 311/312 Hazard Category:  
Not Considered a Hazard

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**SECTION 16 - OTHER INFORMATION**

HMIS or NFPA Rating - Not Applicable

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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