



American International Chemical, Inc.

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MATERIAL SAFETY DATA SHEET

AMMONIUM ALUM

SECTION 1 - CHEMICAL PRODUCT AND COMPANY INFORMATION

Date: August 2007

Synonyms: Ammonium Aluminum Sulfate, Crystal Alum

CAS #: 7784-26-1

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Ammonium Alum 99.5%

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Colorless, odorless crystals, powder on lumps. Relatively not hazardous, but may be irritating to the skin, eyes and respiratory system. Keep away from alkalis.

POTENTIAL HEALTH EFFECTS:

Eyes & Skin: May cause irritation with prolonged use.

Inhalation: May irritate respiratory system.

Ingestion: May cause stomach pain.

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

SECTION 4 - FIRST AID MEASURES

Eyes: Wash with plenty of water for at least 15 minutes.

Skin: Wash with plenty of water.

Inhalation: Take out into the fresh air.

Ingestion: Drink plenty of water. Consult a physician.

On All of the above: Seek medical assistance if symptoms persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not Applicable

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.

Unusual Fire Explosion Hazard: Decomposes to Ammonia, Sulfur Dioxide, Nitrogen and Sulfur Dioxide at high heat, flammable limits per Ammonia gas in the air are from 16-25 percent.

Auto Ignition Temperature: Not Applicable

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.

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.

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.

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 LIMITS: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 120°C

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 1.64

Bulk Density: Powder - 40 lbs/FT³

Percent Volatile by Volume (%): Not Applicable

Melting Point: 94°C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Complete

pH: Aqueous solutions are acidic

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia gas, sulfur dioxide and sulfur trioxide.

KEEP AWAY FROM: Alkali, they will release ammonia gas.

SECTION 11 - TOXICOLOGICAL INFORMATION

Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dissolve in water and flush waste as permitted in accordance with all federal, state and local regulations.

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

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

SECTION 15 - REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT):
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: Immediate (acute) Health Hazard

SECTION 16 - OTHER

Reason for Issue: Changed Date

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