



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

Internet: www.aicma.com Email: info@aicma.com

MATERIAL SAFETY DATA SHEET

ALUMINUM NITRATE

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: None Known

CAS #: 7784-27-2

DOT Hazard Class: Oxidizer UN 1438

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Aluminum Nitrate 98% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Colorless, odorless crystals. May cause irritation to the eyes, skin and respiratory system. It is an oxidizer and must be kept away from combustible material and reducing agents.

POTENTIAL HEALTH EFFECTS:

Eyes: May cause irritation.

Skin: May cause irritation and burns with prolonged contact.

Inhalation: May cause irritation and aggravate existing respiratory disorders.

Ingestion: Will cause irritation and burning of throat.

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

SECTION 4 - FIRST AID MEASURES

EYES: Wash eyes immediately with copious amounts of water for at least 15 minutes.

SKIN: Wash area immediately with copious amounts of water for at least 15 minutes.

INHALATION: Remove to fresh air. Give oxygen or artificial respiration as needed.

INGESTION: Wash out mouth with water immediately.

On all of the above, obtain professional medical attention if conditions persists.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Water.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full protective clothing.

Unusual Fire Explosion Hazard: Oxidizing substances can evolve oxygen to further enhance.

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: 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.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION cont'd

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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Decomposes @ 134°C

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): Not Applicable

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: 73°C

Evaporation Rate (Butyl Acetate=1): Not Applicable

Solubility in Water: Complete

pH: Acidic in aqueous solution

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitrogen Oxide and Aluminum Oxides.

KEEP AWAY FROM: Reducing agents, powdered metals, strong acids and combustible material.

SECTION 11 - TOXICOLOGICAL INFORMATION

Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

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

RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME:.....Aluminum Nitrate
TECHNICAL SHIPPING NAME:.....Aluminum Nitrate
D.O.T. HAZARD CLASS:.....Oxidizer
U.N./N.A. NUMBER.....1438
PRODUCT RQ (lbs.).....None
D.O.T. LABEL.....Aluminum Nitrate, UN# 1438, Class 5.1, Group III
D.O.T. PLACARD.....Oxidizer
PRODUCT LABEL.....Oxidizer

SECTION 15 - REGULATORY INFORMATION

TSCA (TOXIC SUBSTANCE CONTROL ACT): This product is listed on the TSCA Inventory.

SARA TITLE III INFORMATION:

Section 302 Extremely hazardous Substance: Unlisted
Section 313 Toxic Chemicals: Unlisted
Section 311/312 Hazard Category: Fire Hazard, Immediate (acute) Health Hazard.

SECTION 16 - OTHER INFORMATION

Reason for Issue: Changed Date

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