



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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

MATERIAL SAFETY DATA SHEET

AMMONIUM THIOCYANATE

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: Ammonium Rhodanide, Ammonium Sulfofocyanide

CAS #: 1762-95-4

DOT Hazard Class: Not Regulated

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Ammonium Thiocyanate 99% min.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless, colorless, deliquescent crystals. May irritate eyes, skin and respiratory tract. Harmful, if swallowed. Keep away from oxidizers and alkali acids.

POTENTIAL HEALTH EFFECTS:

Eyes and Skin: May cause irritation and skin rash.

Inhalation: May irritate respiratory system.

Ingestion: May cause cramps and stomach discomfort.

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

SECTION 4 - FIRST AID MEASURES

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

Skin: Wash with plenty of water.

Inhalation: Remove to the fresh air.

Ingestion: Call a physician. Induce vomiting if victim is conscious.
With all of the above: If symptoms persist, seek medical assistance.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 115°C

Flammable Limits: Not Applicable

Extinguishing Media:

Dry chemical or waterspray or waterfog or carbon dioxide or foam or sand/earth.

Special Fire Fighting Procedures:

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

Unusual Fire Explosion Hazard:

Contact with strong acids or oxidizing agents or combustion in a fire may generate toxic concentrations of sulfur dioxide, nitrogen oxides, cyanides, or hydrogen sulfide.

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 GUIDELINES: None Established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Vapor Pressure (MM Hg): Not Applicable

Vapor Density (AIR=1): Not Applicable

Specific Gravity (H2O=1): 1.3

Bulk Density: Not Available

Percent Volatile by Volume (%): Not Applicable

Melting Point: ~ 149°C

Evaporation Rate (Butyl Acetate=1): less than 1 @ 25°C

Solubility in Water: Complete

pH: 6.5-7 @ 1% 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: Hydrogen sulfide, hydrogen cyanide and ammonia.

KEEP AWAY FROM: Strong oxidizers and alkali.

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:.....Not Regulated

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.

SECTION 16 - OTHER INFORMATION

NFPA Hazard Information

Fire 1 (slight)

Toxicity 1 (slight)

Reactivity 0 (Insignificant)

HMIS Ratings

Health 1 (slight)

Flammability 1 (slight)

Reactivity 0 (minimal)

Reason for Issue: Changed Date

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