

MSDS

AMMONIUM THIOCYANATE, <10.5 (w/v), <1.3 Normal Aqueous Solutions

## Material Safety Data Sheet

### Section 1: Chemical Product and Company Identification

<b>Catalog Number:</b> 694.7, 695, 696, 696.9, 697, A-260, A-385, A004820, A004950, A005100, AX-924, AX-945, M00I0043, SA004820, SA004950, SA005000, SA005100	
<b>Product Identity:</b> AMMONIUM THIOCYANATE, <10.5 (w/v), <1.3 Normal Aqueous Solutions	
<b>Manufacturer's Name:</b> RICCA CHEMICAL COMPANY LLC	<b>Emergency Contact(24 hr) -- CHEMTREC®</b> Domestic: 800-424-9300 International: 703-527-3887
<b>CAGE Code:</b> 0V553	
<b>Address:</b> 448 West Fork Dr Arlington, TX 76012	<b>Telephone Number For Information:</b> 817-461-5601
<b>Date Prepared:</b> 6/22/99	<b>Revision:</b> 10  Last Revised: 06/28/2006 Date Printed: 08/31/2006 11:56:09 am

### Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Ammonium Thiocyanate	1762-95-4	< 10.5	Not Available Not Available	Not Available Not Available
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available

### Section 3: Hazard Identification

**Emergency Overview:** Non-flammable, non-toxic, non-corrosive. Prolonged or repeated skin exposure may cause dermatitis. Wash areas of contact with plenty of water. Consult a physician if irritation develops. If ingested, dilute with water or milk, then call a physician.

**Target Organs:** eyes, skin.

**Eye Contact:** May cause slight irritation.

**Inhalation:** Not likely to be hazardous by inhalation.

**Skin Contact:** May cause slight irritation.

**Ingestion:** Large doses may cause stomach upset, vomiting, low blood pressure, weakness, disorientation.

**Chronic Effects/Carcinogenicity:** Prolonged or repeated skin exposure may cause dermatitis. Repeated ingestion of small amounts may cause hives, abnormal bleeding, weight loss, mental effects, and an enlarged thyroid.

**IARC** - No.

**NTP** - No.

**OSHA** - No.

**Reproductive Information:** Not Applicable.

**Teratology (Birth Defect) Information:** Not Applicable.

## MSDS

AMMONIUM THIOCYANATE, <10.5 (w/v), <1.3 Normal Aqueous Solutions

### Section 4: First Aid Measures - In all cases, seek qualified evaluation.

**Eye Contact:** Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

**Skin Contact:** Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.

**Ingestion:** Dilute with water or milk. Call a physician if necessary.

### Section 5: Fire Fighting Measures

**Flash Point:** Not Available.

**Method Used:** Not Available.

**LFL:** Not Available.

**UFL:** Not Available.

**Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.

**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.

**Fire Fighting Instructions:** Use normal procedures/instructions.

**Fire Fighting Equipment:** Use protective clothing and breathing equipment appropriate for the surrounding fire.

### Section 6: Accidental Release Measures

Absorb with suitable material and dispose of in accordance with local regulations.

### Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

**Safety Storage Code:** General

### Section 8: Exposure Control/Personal Protection

**Engineering Controls:** No specific controls are needed. Normal room ventilation is adequate.

**Respiratory Protection:** Normal room ventilation is adequate.

**Skin Protection:** Chemical resistant gloves.

**Eye Protection:** Safety glasses or goggles.

### Section 9: Physical and Chemical Properties

**Appearance:** Clear, colorless liquid

**Odor:** Odorless

**Solubility in Water:** Infinite

**Specific Gravity:** Approximately 1.00 - 1.07

**pH:** 5% solution: 4 - 7

**Boiling Point(°C):** Approximately 100

**Melting Point(°C):** Approximately 0

**Vapor Pressure:** Not Applicable.

### Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions of use and storage.

**Incompatibility:** Lead Nitrate, Chlorates, Nitrates, Nitric Acid, Organic Peroxides, Oxidizing Agents, Peroxides, Sodium Chlorate, and Potassium Chlorate.

**Hazardous Decomposition Products:** Emits toxic fumes of Ammonia, Nitric Oxides, Sulfur Oxides, Thiocyanates, and Cyanide when heated to decomposition.

**Hazardous Polymerization:** Will not occur.

### Section 11. Toxicological Information

LD50, Oral, Rat: 750 mg/kg (Ammonium Thiocyanate), details of toxic effects not reported other than lethal dose value.

### Section 12. Ecological Information

## MSDS

AMMONIUM THIOCYANATE, <10.5 (w/v), <1.3 Normal Aqueous Solutions

**Ecotoxicological Information:** No information found.

**Chemical Fate Information:** This material is not expected to significantly bioaccumulate.

### Section 13. Disposal Considerations

Dilute with water and flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

### Section 14. Transport Information

Part Numbers:

This product is not regulated.

### Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

**OSHA Status:** These items meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

**TSCA Status:** All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

**Section 302 Extremely Hazardous Substances:** Not Applicable.

**Section 311/312 Hazardous Categories:** No

**Section 313 Toxic Chemicals:** Not Applicable.

**California:** None Reported.

**Pennsylvania:** Ammonium Thiocyanate is listed as an Environmental Hazard on the state's Hazardous Substances List.

**RCRA Status:** Not Applicable.

**CERCLA Reportable Quantity:** Ammonium Thiocyanate - 5,000 pounds.

**WHMIS:** Not Applicable.

### Section 16. Other Information

NFPA Ratings:

Health: 1                      Flammability: 0                      Reactivity: 0                      Special Notice Key: None

HMIS Ratings:

Health: 1                      Flammability: 0                      Reactivity: 0                      Protective Equipment: B (Protective Eyewear, Gloves)

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Rev 1, 11-19-99: Reformatted from WordPerfect® to Microsoft Word®; Corrected footer from 0.13 to 1.3 Normal; (Section 3) removed induce vomiting;  
Rev 2, 3-27-2000: (Section 1) Revised emergency telephone number to CHEMTREC® 800-424-9300.  
Rev 3, 10-09-2001: Reformatted to electronic data format.  
Rev 4, 9-20-2002: (Section 1) added Solutions Plus brand catalog number A005100.  
Rev 5, 10-17-2002: (Section 1) added Solutions Plus brand catalog number A004820.  
Rev 6, 07-23-2003: (Section 1) added Solutions Plus catalog number A004950.  
Rev 7, 02-09-2005: (Section 1) added internal part number M00I0043.  
Rev 8, 10-05-2005: (Section 1) added Red Bird catalog number AX-945.  
Rev 9, 02-03-2006: (Section 1) added Red Bird catalog number AX-924.  
Rev 10, 06-28-2006: (Section 1) added Red Bird catalog number A-385.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.