



MSDS

For RICCA, SpectroPure, Red Bird, and Solutions Plus Brands
Emergency Contact(24 hr) -- CHEMTREC®
Domestic: 800-424-9300
International: 703-527-3887

POTASSIUM THIOCYANATE, 0.0282-1.5 Normal Aqueous Solutions

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: 6565, 6570, 6580, 6582, 6583, P-530, P074000, SP074000	
Product Identity: POTASSIUM THIOCYANATE, 0.0282-1.5 Normal Aqueous Solutions	
Manufacturer's Name: RICCA CHEMICAL COMPANY LLC	Emergency Contact(24 hr) -- CHEMTREC® Domestic: 800-424-9300 International: 703-527-3887
CAGE Code: 0V553	
Address: 448 West Fork Dr Arlington, TX 76012	Telephone Number For Information: 817-461-5601
Date Prepared: 1/20/99	Revision: 4 Last Revised: 09/03/2003 Date Printed: 09/21/2005 1:26:41 pm

Section 2. Composition/Information on Ingredients

Component	Cas Registry #	Concentration	ACGIH TLV	OSHA PEL
Potassium Thiocyanate	333-20-0	0.3-15	Not Available	Not Available
Water, Deionized	7732-18-5	Balance	Not Available	Not Available

Section 3: Hazard Identification

Emergency Overview: Non-flammable, non-toxic, non-corrosive. May cause mild irritation to the skin and eyes. Wash areas of contact with water. Prolonged or repeated skin exposure may cause dermatitis. Call a physician if irritation develops. Repeated ingestion of small amounts may cause weakness, confusion, central nervous system effects, nausea and skin eruptions. If ingested, dilute with water, induce vomiting and then call a physician.

Target Organs: eyes, skin

Eye Contact: May cause slight irritation.

Inhalation: Not likely to be hazardous by inhalation.

Skin Contact: Prolonged or repeated exposure may cause dermatitis.

Ingestion: Large oral doses may cause stomach upset, vomiting, low blood pressure and disorientation.



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Chronic Effects/Carcinogenicity: Prolonged or repeated exposure may cause dermatitis.

IARC - No.

NTP - No.

OSHA - No.

Reproductive Information: Not Applicable.

Teratology (Birth Defect) Information: Not Applicable.

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: Wash areas of contact with soap and water for at least 15 minutes. Call a physician if irritation develops.

Ingestion: Dilute immediately with water or milk. Induce vomiting. Call a physician.

Section 5: Fire Fighting Measures

Flash Point: Not Available.

LFL: 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.

Method Used: Not Available.

UFL: Not Available.

Section 6: Accidental Release Measures

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

Small amounts may be flushed to the sewer with excess water.

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 1.0-1.07

pH: Neutral

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: Strong oxidizers, active Halogen compounds, Chlorite, Calcium Perchlorate Fluoride.

Hazardous Decomposition Products: May produce oxides of Nitrogen, Potassium, Sulfur, and possibly Cyanides, when heated to decomposition.



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Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

LD50, Oral, Rat: (Potassium Thiocyanate) 854 mg/kg, behavioral and respiratory effects noted.

Section 12. Ecological Information

Ecotoxicological Information: No information found

Chemical Fate Information: No information found

Section 13. Disposal Considerations

Dilute with water, then 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: 6570, 6570-1, 6570-32, 6580, 6580-1, 6580-16, 6580-2.5, 6580-32, 6580-5, 6582, 6582-1, 6582-5, P-530, P-530 20-LT, P-530 4-LT, P-530 500ML, P-530 LT, SP074000, SP074000-1A, SP074000-4A

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.

RCRA Status: Not Applicable.

California: None Reported.

Pennsylvania: None Reported.

CERCLA Reportable Quantity: None Reported.

WHMIS: Not Applicable.

Section 16. Other Information



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NFPA Ratings:

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

Health: 1	Flammability: 0	Reactivity: 0	Protective Equipment:B (Protective Eyewear, Gloves)
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Rev 1, 9-25-2000: Reformatted from WordPerfect® to Microsoft Word®; (Section 1) Revised emergency telephone number to CHEMTREC® 800-424-9300; (Section 4) revised ingestion measures to induce vomiting; (Section 7) added storage code; (Section 15) revised OSHA status.

Rev 2, 10-7-2000: (Section 15) corrected typographical error by removing the word not from OSHA status statement.

Rev 3, 10-09-2001: Reformatted to electronic data format.

Rev 4, 09-03-2003: (Section 1) added Solutions Plus catalog number P074000.

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.