



MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. SS 870
Effective Date June 8, 1998

SECTION V HEALTH HAZARD DATA

SS 870

Threshold Limited Value None established. (ACGIH 1992-93).
Toxicity data: LD50 (Oral-Rat) = 760 mg/kg.

Effects of Overexposure Acute toxicological properties: Harmful if swallowed. **SKIN:** Prolonged absorption may produce various skin eruptions or rash, dizziness, cramps, nausea and mild to severe disturbance of the nervous system. **INGESTION:** Large doses internally causes vomiting and convulsions. Chronic poisoning is manifested by weakness, confusion, diarrhea and skin rashes.

Emergency and First Aid Procedures
SKIN: Flush with water, then wash with mild soap and water. **INHALATION:** Remove to fresh air. If symptoms of illness develop, get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable	X	Conditions to Avoid	Moisture. Excessive temperature and heat.
	Stable			

Incompatibility (Materials to Avoid) Strong acids and oxidizing agents, such as hydrogen peroxide, bromine and chromic acid.

Hazardous Decomposition Products Hydrogen Sulfide; Hydrogen Cyanide.

Hazardous Polymerization		Conditions to Avoid	Not applicable.
May Occur	Will Not Occur		
	X		

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Recover for use if not contaminated. Sweep up and place in a suitable container for proper disposal. Do not store near strong oxidizing agents or concentrated acids. Wash spill area with soap and water.

Waste Disposal Method Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

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

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None required in normal laboratory handling. If dusty, work in ventilation hood or wear a standard NIOSH/MSHA-approved respirator.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Not required.	Other	No.

Protective Gloves Rubber, neoprene type. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from strong oxidizing agents or mineral acids. Avoid breathing dust. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
Keep container tightly closed when not in use.

Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals.

Deliquescent material, protect from moisture and light. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 4	Date 6/8/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. * Hazardous Materials Industrial Standards. Printed on recycled paper.

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SODIUM THIOCYANATE	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p>	Health	1
Chemical Synonyms	Sodium Rhodanate		Fire	0
Formula	NaSCN		Reactivity	0
Unit Size	up to 2.5 Kg.		HMIS *	
C.A.S. No.	540-72-7	NFPA HAZARD RATING	LEAST SLIGHT MODERATE HIGH EXTREME	0 1 2 3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Thiocyanate	100%	None established.

WARNING! HARMFUL IF INHALED, SWALLOWED OR ABSORBED

THROUGH SKIN. CAUSES SKIN AND EYE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	323°C (613°F)	Specific Gravity (H₂O = 1)	1.3
Boiling Point (°F)	Decomposes on heating.	Percent Volatile by Volume (%)	max. 2% at 25°C
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (n-Butyl Ac. =1)	<1 at 25°C
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	59 @ 25°C		
Appearance & Odor	Crystalline solid; trace ammoniacal.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	120°C (248°F) cc	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
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Extinguisher Media Dry chemical (ABC); carbon dioxide (CO₂); water spray; foam; sand; earth.

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Contact with strong acids or oxidizing agents or combustion in open flame may generate toxic concentrations of sulfur dioxides, nitrogen oxides, cyanides or hydrogen sulfide.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20