



**ALDON
CORPORATION**

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MSDS No.: SS0870
Effective Date: April 4, 2005

MATERIAL SAFETY DATA SHEET

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Sodium Thiocyanate				
Chemical Synonyms	Sodium Rhodanate				
Formula	NaSCN				
Unit Size	up to 2.5 Kg.				
C.A.S. No.	540-72-7				

0

1

0

CHEMTREC

800-424-9300

Day 585-226-6177

NFPA

HAZARD RATING

MINIMAL

SLIGHT

MODERATE

SERIOUS

SEVERE

0

1

2

3

4

Health	1
Fire	0
Reactivity	1

HMIS *

SECTION II INGREDIENTS OF MIXTURES

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

CAUTION! MAY BE HARMFUL IF INHALED, SWALLOWED OR ABSORBED

THROUGH SKIN. MAY CAUSE SKIN AND EYE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	287°C (548°F)	Specific Gravity (H ₂ O = 1)	1.74
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Water = 1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	1350 g/lit @ 68°F		
Appearance & Odor	Crystalline solid; trace ammoniacal.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Dry chemical; carbon dioxide; 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.

SECTION V HEALTH HAZARD DATA SS0870

Threshold Limited Value	None established. (ACGIH 2001). Toxicity data: LD50 (Oral-Rat) = 764 mg/kg.
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Effects of Overexposure	Expected to be slightly toxic by ingestion. Not expected to be absorbed through skin in toxic amounts. May cause irritation to skin and eyes. May cause irritation to the respiratory tract. Repeated exposure can cause nausea, vomiting and diarrhea as a result of hypofunction of the thyroid gland and injuries to the liver and kidneys. Target organs: Liver, kidneys, thyroid.
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Emergency and First Aid Procedures	INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Chlorates, nitrates, nitric acid, organic peroxides, oxidizing agents, peroxides, potassium chloride and sodium chloride.
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Hazardous Decomposition Products	Oxides of nitrogen and sulfur, carbonyl sulfide, hydrogen sulfide and carbon disulfide.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

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.
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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.
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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.
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Other Protective Equipment	Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.
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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.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.
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Deliquescent material, protect from moisture and light. Remove and wash contaminated clothing.

Revision No.	8	Date	04/04/05	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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D.O.T. NON-REGULATED.

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