



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. PP 790
Effective Date March 27, 1998

SECTION V HEALTH HAZARD DATA

PP 790

Threshold Limited Value None established. (ACGIH 1992-93). The probable lethal dose in man lies between 15 and 30 grams (when ingested at one time).

Effects of Overexposure Direct contact with skin or eyes causes irritation, redness and pain. Large overdoses induce vomiting, extreme cerebral excitement, delirium, convulsions and spasticity of the extensor muscles. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **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. **INHALATION:** Remove to fresh air. If symptoms of illness develop, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		Avoid contact with strong acids.

Incompatibility (Materials to Avoid) Strong oxidizers. Violent reactions have occurred when mixed with chlorate, nitrates and peroxides.

Hazardous Decomposition Products Emits highly toxic fumes of cyanides upon decomposition. Oxides of sulfur, nitrogen, carbon and potassium.

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 Sweep up and place in a suitable container for proper disposal. Flush spill area with 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 an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear an NIOSH/MSHA-approved dust mask.

Ventilation	Local Exhaust	Recommended if dusty.	Special	No.
	Mechanical (General)	Recommended if dusty.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment 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 acids or acid fumes. Wash thoroughly after handling. Moisture -sensitive. Becomes wet on exposure to moisture in air.

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

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing.

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

Revision No. 5	Date 3/27/98	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	POTASSIUM THIOCYANATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS *	Health	2
Chemical Synonyms	Potassium Sulfo cyanate		Fire	0
Formula	KSCN		Reactivity	1
Unit Size	up to 2.5 Kg.			
C.A.S. No.	333-20-0			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Thiocyanate	100%	See Section V.
WARNING! HARMFUL IF SWALLOWED. CAUSES IRRITATION.		
EXPOSURE TO OPEN FLAMES MAY GENERATE POISONOUS		
HYDROGEN SULFIDE AND HYDROGEN CYANIDE GAS. HYGROSCOPIC.		

SECTION III PHYSICAL DATA

Melting Point (°F)	173°C (343°F)	Specific Gravity (H ₂ O = 1)	1.886
Boiling Point (°F)	500°C (932°F)	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Non-volatile (NA).
Vapor Density (Air=1)	3.36		
Solubility in Water	177 grams per 100 mL. water at 0°C.		
Appearance & Odor	Colorless crystals-hygroscopic; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media Water spray; dry chemical (ABC); carbon dioxide (CO₂).

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Violent reactions have occurred when mixed with chlorates, nitrates and peroxides. Emits highly toxic fumes of cyanides upon decomposition.

D.O.T. NON-REGULATED.

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