



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. PP 550
Effective Date April 19, 1999

SECTION V HEALTH HAZARD DATA

PP 550

Threshold Limited Value

None established. (ACGIH 1992-93). Toxicity data: Oral LD50 (rat)
3616 mg/kg.

Effects of Overexposure

Ingestion may cause irritation, nausea. It is not decomposed to cyanide in the body. Rapidly excreted in the urine, apparently without metabolic alteration. Slight short term irritation of skin, eyes and mucous membranes is possible.

Emergency and First Aid Procedures

SKIN: Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. 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. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Protect from light, heat, strong acid or acid fumes.
	Stable	X		

Incompatibility (Materials to Avoid)	Strong acids or acid fumes, strong oxidizing agents.
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Hazardous Decomposition Products	Thermal decomposition will produce cyanide fumes and oxides of nitrogen.
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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 reclamation or disposal. 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.
	Dispose of waste in a sanitary or industrial landfill.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood, or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	Recommended.	Special	No.	
	Mechanical (General)	Recommended.	Other	No.	
Protective Gloves		Rubber.	Eye Protection		Chemical safety glasses.

Other Protective Equipment	Smock, apron, eye wash station, ventilation hood, proper gloves.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from strong acids and fire hazards. 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.
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Protect from light. Keep material dry.
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 4/19/99	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 FERROCYANIDE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 3 4
Chemical Synonyms	Yellow Prussiate of Potash	
Formula	K ₄ Fe(CN) ₆ •3H ₂ O	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	14459-95-1 (Trihydrate)	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Ferrocyanide	100%	See Section V.
WARNING! MAY BE HARMFUL IF SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	Loses water >70°C (158°F)	Specific Gravity (H ₂ O = 1)	1.853 @ 17°C
Boiling Point (°F)	Decomposes > 400°C (752°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (n-Butyl Ac. =1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	28 grams in 100 mL. water at 20°C.		
Appearance & Odor	Lemon yellow crystals or powder; no odor.		

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	Water spray; carbon dioxide (CO ₂); dry chemical.				

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dangerous when heated to decomposition or on contact with acids or acid fumes; it emits highly toxic fumes of hydrogen cyanide gas which can form explosive mixture with air.

D.O.T. NON-REGULATED.

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