



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. BB 275  
Effective Date January 30, 1999

## SECTION V HEALTH HAZARD DATA

BB 275

### Threshold Limited Value

None established for this product (ACGIH 1992-93).

### Effects of Overexposure

Low toxicity hazard. No adequate toxicity data were located, but apparently this material is comparatively benign. It is not decomposed to cyanide in the body. Rapidly excreted in the urine, apparently without metabolic alteration. Slight short term irritation of skin 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 lower and upper eyelids occasionally. Get immediate 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.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X Heat, high temperatures.

Incompatibility (Materials to Avoid)	Strong oxidizers, chlorine bleach, nitric acid.
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Hazardous Decomposition Products	Thermal decomposition will produce cyanide fumes and oxides of nitrogen (NO <sub>x</sub> ).
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Ventilate area. Absorb spill in vermiculite, sand, earth, paper towel, then place into a suitable container for proper 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 in accordance with federal, state and local regulations.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.			
Ventilation	Local Exhaust	Not needed.		Special	No.
	Mechanical (General)	Not needed.		Other	No.
Protective Gloves		Rubber for sensitive skin or repeated contact.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Smock, apron, eye wash station, proper gloves if needed.				

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool place away from strong mineral acids and fire hazards. 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.
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Avoid contact with skin and eyes. Avoid contact with food or food products. 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	1/30/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	BLUING SOLUTION
Chemical Synonyms	Bluing agent
Formula	Mixture.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture.

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

Health	1
Fire	0
Reactivity	0

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Oxalic Acid: (CAS No. 144-62-7)	0.26%	None established.
Potassium ferrocyanide, trihydrate: (CAS No. 14459-95-1)	2.64%	None established.
Ferric chloride, hexahydrate: (CAS No. 10025-77-1)	1.16%	None established.
Water: (CAS No. 7732-18-5)	95.94%	None established.

CAUTION! MAY BE HARMFUL IF SWALLOWED.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	96%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	1
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Dark blue water solution; 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	Use any media suitable for extinguishing supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

### 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