



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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

MSDS No. BB 85  
Effective Date January 27, 1999

## SECTION V HEALTH HAZARD DATA

BB 85

### Threshold Limited Value

None established for this product.  
1 mg/m<sup>3</sup> as copper (air) (ACGIH, 1992-93).

### Effects of Overexposure

**INHALATION:** High dust concentration may cause upper respiratory tract irritation. **EYES:** Contact with powder may cause eye irritation. **SKIN:** Prolonged or repeated skin contact may cause skin irritation. **INGESTION:** May be harmful if swallowed. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink and call physician. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If irritation develops, call a physician.

## SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Acids and strong oxidizers.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide, smoke.
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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	Sweep up and place in 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 dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.		
Ventilation	Local Exhaust	Recommended.	Special
	Mechanical (General)	Recommended.	Other
Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.

Other Protective Equipment	Goggles, smock, apron, proper gloves, eye wash station.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from acids and acid fumes. 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 eyes and prolonged contact with skin.  
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	1/27/99	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	BENEDICT'S REAGENT, QUALITATIVE POWDER
Chemical Synonyms	Benedict's Sugar Test Reagent
Formula	Mixture
Unit Size	Makes up to 1 Lt.
C.A.S. No.	None listed.

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

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

Health	2
Fire	0
Reactivity	1

HMIS \*

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Cupric Sulfate Pentahydrate: (CAS No. 7758-99-8)	6%	See Section V.
Sodium Carbonate Monohydrate: (CAS No. 5968-11-6)	34%	None established.
Sodium Citrate Dihydrate: (CAS No. 6132-04-3)	60%	None established.

CAUTION! HARMFUL IF SWALLOWED.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Mixture (NA).	Specific Gravity (H <sub>2</sub> O = 1)	Unknown.
Boiling Point (°F)	Mixture (decomposes).	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( )	Not applicable.
Vapor Density (Air=1)	N/A		
Solubility in Water	Complete.		
Appearance & Odor	White crystalline powder with packet containing blue crystals. No odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Any media suitable for extinguishing the supporting fire.				

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire hazard: slight; when heated, it burns and emits acrid fumes.

D.O.T. NON-REGULATED.

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