



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(716) 226-6177

MSDS No. BB 150  
Effective Date January 27, 1999

## SECTION V HEALTH HAZARD DATA

BB 150

### Threshold Limited Value

None established for this mixture.

### Effects of Overexposure

**DANGER! CAUSES SEVERE BURNS TO SKIN, EYES AND MUCOUS MEMBRANES. MAY BE FATAL IF SWALLOWED.**  
Avoid contact with skin, eyes and mucous membranes. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**SKIN:** Flush thoroughly with water, then wash with vinegar. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **INGESTION:** If swallowed, if conscious, drink several glasses of water. Do **NOT** induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	

Incompatibility (Materials to Avoid)	Common metals and their alloys; acid and their anhydrides; easily oxidizable compounds.
--------------------------------------	---

Hazardous Decomposition Products	Thermal decomposition will produce fumes of sulfur dioxide (SO <sub>x</sub> ), iodine, copper, carbon dioxide and carbon monoxide.
----------------------------------	--

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	Wear proper safety equipment. Dilute with water and neutralize with 6 molar Hydrochloric acid or sodium bisulfate. 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.  Neutralize with sodium bisulfate and flush to sewer with copious amounts of water.
-----------------------	--

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be necessary in normal laboratory handling. If necessary, work in a ventilation hood or wear a NIOSH/MSHA-approved respirator.
---------------------------------------	--

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

Protective Gloves	Rubber.	Eye Protection	Goggles or face shield.
-------------------	---------	----------------	-------------------------

Other Protective Equipment	Goggles, smock, apron, proper gloves, eye wash station, ventilation hood.
----------------------------	---

## 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. 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.  Use extreme care when heating this material. Avoid spattering. Wear safety goggles and/or face shield. Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.
-------------------	--

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

Revision	No. 7	Date	1/27/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
----------	-------	------	---------	----------	-----------------	-----------------------------	----

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	BIURET TEST REAGENT
Chemical Synonyms	Biuret Solution For Protein Test *
Formula	Mixture - See Section II.
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture - See Section II.

	CHEMTREC 800-424-9300 Day 716-226-6177	Health	3
		Fire	0
		Reactivity	2
<b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4		<b>HMIS *</b> 0 1 2 3 4	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
* Sodium Hydroxide (NaOH)	10%	See Section V.
* Cupric Sulfate (CuSO <sub>4</sub> )	0.1%	1 mg/m <sup>3</sup> as copper mist.

**DANGER! CORROSIVE!** **POISON** **CAUSES**

**SEVERE SKIN AND EYE BURNS. MAY BE FATAL IF SWALLOWED.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	Approx. 1.1
Boiling Point (°F)	Approx. 110-120°C (230-248°F)	Percent Volatile by Volume (%)	89%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, light blue liquid; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
				-----	-----
Extinguisher Media	If involved in a fire, flood with water, taking care not to splatter or splash.				

SPECIAL FIREFIGHTING PROCEDURES	This material is highly corrosive. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.
---------------------------------	--

\* Contains: Sodium Hydroxide: (CAS No. 1310-73-2)  
Cupric Sulfate: (CAS No. 7758-99-8)  
Potassium Iodide: (CAS No. 7681-11-0)  
Potassium Sodium Tartrate: (CAS No. 6381-59-5)  
Ethylenediamine Tetraacetic Acid: (CAS No. 60-00-4)  
Water: (CAS No. 7732-18-5)

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Will release flammable and explosive hydrogen gas when in contact with aluminum, lead, tin, zinc and other alloys.

(1996EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 154)

D.O.T. Corrosive liquids, n.o.s., (Sodium hydroxide), 8, UN 1760, PGI1

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