



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. BB 165
Effective Date January 28, 1999

SECTION V HEALTH HAZARD DATA

BB 165

Threshold Limited Value

None established by ACGIH 1992-93.

Effects of Overexposure

Vapors intensely irritating to mucous membranes. May be irritating to skin and eyes. **INGESTION: MAY BE FATAL.** 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. If allergic irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting. Repeat until vomit fluid is clear. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Ammonia, alkalies, tannin, iron preparations, gelatin, bisulfides, salts of iron and arsenic, hydrogen peroxide, iodine, potassium permanganate.
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Hazardous Decomposition Products	Emits toxic fumes of formaldehyde on heating; explosive picric acid when dry.
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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 with an inert dry material, 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.
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Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		In the laboratory, if good ventilation is not available, work in a ventilation hood or wear a NIOSH/MSHA-approved respirator with organic vapor canister.			
Ventilation	Local Exhaust	Recommended.		Special	No.
	Mechanical (General)	Preferred.		Other	No.
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, apron, smock, proper gloves, ventilation hood and eye wash station.				

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, well-ventilated place. Avoid contact with eyes, skin and clothing. 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 breathing vapors or mist.
Remove and wash contaminated clothing.

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

Revision	No. 4	Date	1/28/99	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	BOUIN'S FIXATIVE
Chemical Synonyms	Biological Fixative
Formula	Mixture.
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	2
Reactivity	2

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

HMIS *
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Water: (CAS No. 7732-18-5)	84.5%	None established.
Acetic Acid: (CAS No. 64-19-7)	5%	25 mg/m ³ (air).
Picric Acid: (CAS No. 88-89-1)	1%	0.1 mg/m ³ (skin).
Formaldehyde: (CAS No. 50-00-0)	9.25%	TWA: 2 ppm (air); 3 mg/m ³

WARNING! MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MAY BE FLAMMABLE WHEN DRY. IRRITANT.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.11
Boiling Point (°F)	Approx. 98°C (208°F)	Percent Volatile by Volume (%)	99%
Vapor Pressure (mm Hg)	1.0 (Formaldehyde).	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	1.01 (vapor over solution).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, yellow liquid; pungent odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Data not listed.	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

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

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 153)

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated, emits toxic fumes of formaldehyde. Picric acid explodes when rapidly heated or by percussion.

D.O.T. Toxic liquids, organic, n.o.s., (Formaldehyde), 6.1, UN 2810, PG III

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