



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
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MSDS No. BB 507  
Effective Date January 30, 1999

## SECTION V HEALTH HAZARD DATA

BB 507

### Threshold Limited Value

None assigned to this mixture. Toxicity: Potassium Phosphate: none listed; Sodium Hydroxide: ipr-mus LD50: 40 mg/kg; orl-rbt LDLO: 500 mg/kg.

### Effects of Overexposure

May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**SKIN:** Flush with water, then wash with soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention. **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 AS MIST:** Remove to fresh air.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature to cause evaporation.
	Stable		

Incompatibility (Materials to Avoid)	Acids, alkalies, and air will change the buffer's ability.
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Hazardous Decomposition Products	Thermal decomposition will yield phosphates and sodium oxide and/or hydroxides.
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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	Flush to sewer with copious amounts of water. 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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Flush to sewer with copious amounts of water.

## 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	None required.	Special	No.	
	Mechanical (General)	None required.	Other	No.	
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, lab coat, proper gloves, and eye wash station.				

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. Wash thoroughly after handling. Keep container tightly closed when not in use.
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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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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
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	BUFFER pH 7.00 CONCENTRATE	<div><p>CHEMTREC 800-424-9300 Day 716-226-6177</p><div><p>NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</p></div><p>HMIS * 3 4</p></div>
Chemical Synonyms	Buffer pH 7.00 Concentrate	
Formula	Mixture. See Section II.	
Unit Size	up to 20 Lt.	
C.A.S. No.	Mixture. See Section II.	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Phosphate Monobasic: (CAS No. 7778-77-0)	8.62%	None assigned.
Sodium Hydroxide: (CAS No. 1310-73-2)	1.52%	Ceiling: 2 mg/m <sup>3</sup> (Air)
Water: (CAS No. 7732-18-5)	89.86%	None assigned.

CAUTION! USE IN KEEPING WITH GOOD LABORATORY PRACTICES.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.01-1.13
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	89.86%
Vapor Pressure (mm Hg)	14 (water)	Evaporation Rate (Water = 1)	Slightly less than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, colorless 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	Use any media suitable for extinguishing supporting fire.						

### SPECIAL FIREFIGHTING PROCEDURES

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

### UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions water may evaporate from this solution which may cause hazardous decomposition products to be produced as dust or fume.

D.O.T. NON-REGULATED.

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