



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. SS 750
Effective Date May 5, 1999

SECTION V HEALTH HAZARD DATA

SS 750

Threshold Limited Value

None established. (ACGIH 1992-93).

Effects of Overexposure

May be harmful by inhalation, ingestion, or skin absorption. Ingestion of large quantities may cause symptoms of gastrointestinal irritation, nausea, vomiting, cramps and diarrhea. Causes eye and skin irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

EYES: Immediately flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush with water, then wash with mild soap and water. **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 water to drink and call physician. 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)	None known.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce oxides of phosphorus (PO _x).
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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 suitable container for proper disposal. Wash spill area well 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 an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal system.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		None required in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.			
Ventilation	Local Exhaust	None needed.	Special	No.	
	Mechanical (General)	None needed.	Other	No.	
Protective Gloves		Rubber for repeated exposures.	Eye Protection		Chemical safety glasses.

Other Protective Equipment	Goggles, lab coat, eye wash station, proper gloves.
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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.	

Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid prolonged or repeated exposure. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 6	Date	5/5/99	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	SODIUM PHOSPHATE, MONOBASIC
Chemical Synonyms	Sodium Dihydrogen Phosphate
Formula	(a) NaH ₂ PO ₄ •H ₂ O (b) NaH ₂ PO ₄
Unit Size	up to 2.5 Kg.
C.A.S. No.	(a) 10049-21-5 (b) 7558-80-7 (Anhydrous)

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

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

HMIS *
Health 1
Fire 0
Reactivity 0

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Phosphate, Monobasic	100%	None established.

CAUTION! MAY BE HARMFUL IF INHALED OR SWALLOWED.

CONTACT MAY CAUSE SKIN AND EYE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	60°C (140°F)	Specific Gravity (H ₂ O = 1)	2.04 at 25°C
Boiling Point (°F)	204°C (399°F) Dec.	Percent Volatile by Volume (%)	Negligible as solid.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	4.78		
Solubility in Water	Freely soluble in water at 20°C.		
Appearance & Odor	White, slightly deliquescent crystals or granules; no odor. Hygroscopic.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

Non-flammable. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products.

D.O.T. NON-REGULATED.

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