



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. SS 240
Effective Date February 18, 1997

SECTION V HEALTH HAZARD DATA

SS 240

Threshold Limited Value

None established. (ACGIH 1992-93).

Effects of Overexposure

Contact with eyes or skin causes irritation and discomfort. Effects may or may not be transient. Inhalation of dusts, mists or aerosols may cause irritation to the respiratory tract. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** 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, call physician immediately. Induce vomiting if advised by physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Avoid constant heating. NaPO ₃ will result. Prolonged exposure to air causes loss in ammonia.
	Stable		

Incompatibility (Materials to Avoid)	Bases or alkalis.
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Hazardous Decomposition Products	Thermal decomposition may yield corrosive fumes of ammonia and toxic oxides of sodium, phosphorus and nitrogen.
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Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Recover for use if not contaminated. Sweep up spill and place in suitable container for disposal. Flush 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.

For small amounts, cautiously add to a large stirred excess of water. Flush the aqueous solution down the drain with plenty of water.

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.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	None needed.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Lab coat, apron, proper gloves, ventilation hood, eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. Efflorescent in air with loss of some ammonia. Avoid dusting conditions. Avoid contact with skin or eyes. 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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Use appropriate hand and skin lotions to protect 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. 4	Date	2/18/97	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 AMMONIUM PHOSPHATE
Chemical Synonyms	Sodium Ammonium Hydrogen Phosphate
Formula	NaNH ₄ HPO ₄ •4H ₂ O
Unit Size	up to 2.5 Kg.
C.A.S. No.	51750-73-3

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

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Ammonium Phosphate, Tetrahydrate	100%	None established.
CAUTION! MAY BE HARMFUL IF INHALED OR SWALLOWED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.		

SECTION III PHYSICAL DATA

Melting Point (°F)	80°C (176°F) decomposes.	Specific Gravity (H ₂ O = 1)	1.544
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Non-volatile.
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Soluble 1 gram/5 mL. cold water.		
Appearance & Odor	Transparent colorless crystals or granules; odorless.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Dry chemical (ABC); carbon dioxide (CO ₂); water spray.				

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products as ammonia gas and/or oxides of nitrogen (NO_x).

D.O.T. NON-REGULATED.

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