



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

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

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| 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

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| 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. |
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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

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| 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. |

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|-------------------|---------|----------------|--------------------------|
| 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

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| 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.

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| 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

| | |
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| 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

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

| | |
|------------|---|
| Health | 1 |
| Fire | 0 |
| Reactivity | 0 |

HMIS *

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

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| 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

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|---------------------------|---|-------------------------------------|-----|-------|-------|
| 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