



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. SS 790
Effective Date May 5, 1999

SECTION V HEALTH HAZARD DATA

SS 790

Threshold Limited Value

None established. (ACGIH 1992-93).

Effects of Overexposure

INHALATION: Dust may cause upper respiratory tract irritation resulting in cough, chest pain and difficulty breathing. **EYES:** Causes irritation. Prolonged contact may result in corneal injury. **SKIN:** Prolonged or repeated contact may cause irritation. **INGESTION:** Harmful if swallowed. May cause severe damage to gastrointestinal tract. Nausea, vomiting, diarrhea. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **INGESTION:** If swallowed, do **NOT** induce vomiting. Rinse mouth with water. Dilute stomach contents by giving 1 or 2 glasses of water to drink. Call a physician immediately. 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)	Strong acids.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce oxides of Phosphorous (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	Recover for use if not contaminated. Sweep up and place in a suitable container for disposal. Avoid creating dust. Flush spill area with 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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Uncontaminated material may be disposed of in a sanitary landfill according to governmental regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory use. If dusty conditions prevail, work in a fume hood or wear a NIOSH/MSHA-approved dust mask or respirator.
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

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

Precautions to be Taken in Handling & Storing	Store in a cool, dry, well-ventilated area. 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 contact with skin, eyes and clothing. Avoid breathing dust. 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	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, TRIBASIC
Chemical Synonyms	TSP; Trisodium Phosphate Dodecahydrate
Formula	Na ₃ PO ₄ •12H ₂ O
Unit Size	up to 2.5 Kg.
C.A.S. No.	10101-89-0

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

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

HMIS *
Health 2
Fire 0
Reactivity 1

SECTION II INGREDIENTS OF MIXTURES

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

WARNING! HARMFUL IF SWALLOWED OR INHALED.

CAUSES SKIN AND EYE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	75°C (167°F) Loses H ₂ O	Specific Gravity (H ₂ O = 1)	0.9 g/mL.
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Non-volatile.	Evaporation Rate ()	Non-volatile (NA).
Vapor Density (Air=1)	Non-volatile.		
Solubility in Water	33 @ 25°C.		
Appearance & Odor	Colorless or white crystals; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

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

In fire conditions, 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

CAUTION: A strong caustic material. Dangerous when heated to decomposition, it emits highly toxic fumes of oxides of phosphorus.

D.O.T. NON-REGULATED.

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