



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(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

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Strong acids.

**Hazardous Decomposition Products** Thermal decomposition or burning may produce oxides of Phosphorous (PO<sub>x</sub>).

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>		Not applicable.
	<b>May Occur</b>	<b>Will Not Occur</b>	
		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.

**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.

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.

<b>Ventilation</b>	<b>Local Exhaust</b>	Recommended.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	Recommended.	<b>Other</b>	No.

**Protective Gloves** Rubber. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Smock, apron, eye wash station, ventilation hood and proper gloves.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry, well-ventilated area. 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 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.

<b>Revision</b> No. 5	<b>Date</b> 5/5/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> 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

<b>Product</b>	SODIUM PHOSPHATE, TRIBASIC	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177 <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 <b>HMIS *</b> HEALTH 2 FIRE 0 REACTIVITY 1
<b>Chemical Synonyms</b>	TSP; Trisodium Phosphate Dodecahydrate	
<b>Formula</b>	Na <sub>3</sub> PO <sub>4</sub> •12H <sub>2</sub> O	
<b>Unit Size</b>	up to 2.5 Kg.	
<b>C.A.S. No.</b>	10101-89-0	

## 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

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

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-combustible.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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**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 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