



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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(716) 226-6177

MSDS No. SS 548  
Effective Date November 3, 1998

## SECTION V HEALTH HAZARD DATA

**Threshold Limited Value** None established (ACGIH 1992-93).  
OSHA TWA: 5 mg/cu m (respirable), OSHA TWA: 15 mg/cu m (dust).

**Effects of Overexposure** May cause irritation to skin, eyes and mucous membranes. May cause irritation to respiratory tract. Ingestion of large amounts may cause symptoms of gastrointestinal irritation, nausea, vomiting, cramps, diarrhea, decreased blood pressure, decreased heart rate, coma.

**Emergency and First Aid Procedures**  
**SKIN:** Flush with water. If irritation develops, get medical attention.  
**EYES:** Flush with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation occurs, get medical attention.  
**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, induce vomiting and get immediate medical attention. 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, heat and extreme humidity.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** None known.

**Hazardous Decomposition Products** Thermal decomposition emits toxic oxides of phosphorous and sodium.

<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** Avoid creating dust. Sweep up and place in a suitable container for proper disposal. 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.

Prevent material from entering public sewer system or any waterways. Dispose of in accordance with federal, state and local 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 ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

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

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

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

## 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 contact with eyes, skin and clothing. 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. 1	<b>Date</b> 11/3/98	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	Sodium Hexametaphosphate	 <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 1 Fire 0 Reactivity 0
<b>Chemical Synonyms</b>	Sodium Polyphosphate	
<b>Formula</b>	(NaPO <sub>3</sub> ) <sub>6</sub>	
<b>Unit Size</b>	up to 2.5 Kg.	
<b>C.A.S. No.</b>	10124-56-8	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium hexametaphosphate	100%	None established.

**CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED.**

**MAY CAUSE SKIN, EYE AND RESPIRATORY TRACT IRRITATION.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	628°C (1162°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	N/A
<b>Boiling Point (°F)</b>	N/A	<b>Percent Volatile by Volume (%)</b>	N/A
<b>Vapor Pressure (mm Hg)</b>	N/A	<b>Evaporation Rate ( =1)</b>	N/A
<b>Vapor Density (Air=1)</b>	N/A		
<b>Solubility in Water</b>	Soluble.		
<b>Appearance &amp; Odor</b>	White, granules or crystalline powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable.	<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 protective clothing to prevent skin and eye contact.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

D.O.T. NON-REGULATED.

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