



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. PP 750  
Effective Date April 20, 1999

## SECTION V HEALTH HAZARD DATA

PP 750

### Threshold Limited Value

None established. (ACGIH 1992-93).

### Effects of Overexposure

**INHALATION:** Of dust may irritate nose and throat. **INGESTION:** May injure mouth, throat and gastrointestinal tract. Contact with eyes produces local irritation and possible conjunctivitis. Although no long term human studies have been reported, there are no reported chronic effects that warrant control beyond that required to avoid irritation from airborne dust.

### Emergency and First Aid Procedures

**EYES:** Flush eyes with large amounts of water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation persists, obtain medical attention. **SKIN:** Wash off with soap and water. If irritation is evident, obtain medical attention. **INHALATION:** Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** If swallowed, do NOT induce vomiting. If conscious, give plenty of water or milk to drink. Call physician immediately. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	None known.
	Stable	X		

Incompatibility (Materials to Avoid)	Violent reaction with Magnesium.
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Hazardous Decomposition Products	When heated to decomposition, can emit highly toxic fumes of oxides of Phosphorous (PO <sub>x</sub> ).
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Hazardous Polymerization	Conditions to Avoid	Not applicable.
		X

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Wearing proper protective clothing, sweep up and place in a suitable container for reclamation or 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.

Uncontaminated material may be disposed of in a sanitary landfill or contract with a licensed waste disposal service.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory use. If dusty conditions prevail, work in 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	Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place. Avoid breathing dust. 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.
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Use with adequate ventilation. 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.

Revision No. 4	Date 4/20/99	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	POTASSIUM PHOSPHATE, TRIBASIC	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177	Health	2
Chemical Synonyms	TKP, Tripotassium Orthophosphate		Fire	0
Formula	K <sub>3</sub> PO <sub>4</sub>		Reactivity	1
Unit Size	up to 2.5 Kg.		HMIS *	
C.A.S. No.	7778-53-2	NFPA HAZARD RATING	LEAST SLIGHT MODERATE HIGH EXTREME	0 1 2 3 4

## SECTION II INGREDIENTS OF MIXTURES

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

**WARNING! HARMFUL IF SWALLOWED OR INHALED.**

**IRRITANT TO SKIN, EYES AND MUCOUS MEMBRANES.**

## SECTION III PHYSICAL DATA

Melting Point (°F)	1340°C (2444°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.564 at 17°C
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	N/A.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Ac. =1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	50.8 grams at 100 mL. water at 25°C.		
Appearance & Odor	White crystals, granular or powder; no odor. Deliquescent.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable.	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

A NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing should be worn to prevent contact with skin and eyes.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

No known hazard.

D.O.T. NON-REGULATED.

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