



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. PP 239
Effective Date June 10, 1998

SECTION V HEALTH HAZARD DATA

PP 239

Threshold Limited Value RTECS No. TB6300000 Toxicity data: Orl-rat LD50: 1530 mg/kg. ; skin-rab LD50: 2740 mg/kg.

Effects of Overexposure
INGESTION: May cause sore throat, abdominal pain, nausea, severe burns of mouth, throat and stomach. **INHALATION:** May cause severe irritation of the respiratory system. **EYES:** May cause redness, pain, burns, permanent visual damage. **SKIN:** May cause redness, pain, burns.

Emergency and First Aid Procedures
INGESTION: If swallowed, do NOT induce vomiting. If conscious, give water, milk or milk of magnesia. Get immediate medical attention. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If illness or discomfort develops, get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature, heat.
	Stable	X		

Incompatibility (Materials to Avoid) Most common metals, strong bases, alkalis.

Hazardous Decomposition Products Oxides of phosphorus.

Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Wear full protective equipment. Ventilate area. Neutralize with soda ash or lime. Absorb with vermiculite, dry sand or earth. Place in proper container for disposal.

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.
Dispose of in an accordance with local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) High efficiency particulate respirator is recommended. NIOSH/MSHA-approved self-contained breathing apparatus.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

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

Other Protective Equipment Lab coat, apron, eye wash station, proper gloves, face shield, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry, well-ventilated area. Protect against physical damage. Keep away from fire hazards. 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 vapors. Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 2	Date 6/10/98	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	PHOSPHORIC ACID, 85%	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</p> <p>HMIS * 0 1 2 3 4</p>	Health	2
Chemical Synonyms	Ortho-phosphoric acid		Fire	0
Formula	H ₃ PO ₄		Reactivity	2
Unit Size	up to 4 Lt.			
C.A.S. No.	7664-38-2			

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Phosphoric Acid	85-100%	1 mg/m ³ (TWA)
		3 mg/m ³ (STEL)

DANGER! CORROSIVE!

CAUSES SEVERE BURNS. HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	21°C (70°F)	Specific Gravity (H ₂ O = 1)	1.71
Boiling Point (°F)	158°C (316°F)	Percent Volatile by Volume (%)	Not applicable.
Vapor Pressure (mm Hg)	2.2	Evaporation Rate (=1)	Not applicable.
Vapor Density (Air=1)	3.4		
Solubility in Water	Complete.		
Appearance & Odor	Colorless, syrupy liquid; odorless.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media Water spray, carbon dioxide, dry chemical, foam.

SPECIAL FIREFIGHTING PROCEDURES

Use water to keep fire exposed containers cool. Wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 154)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Contact with common metals produces hydrogen which may form flammable mixtures with air. Gives off flammable vapors. Closed containers exposed to heat may explode.

D.O.T. PHOSPHORIC ACID, 8, UN 1805, PG III

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