



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. PP 566
Effective Date October 21, 1998

SECTION V HEALTH HAZARD DATA

PP 566

Threshold Limited Value None established. (ACGIH 1992-93). Toxicity data: orl-rat LD50: 7900 mg/kg. Intraperitoneal mouse LD50: 550 mg/kg.

Effects of Overexposure
An irritant to skin, eyes and mucous membranes. Exercise appropriate procedures to minimize potential hazards. **INGESTION:** May cause nausea, vomiting, and diarrhea.

Emergency and First Aid Procedures
SKIN: Flush thoroughly with water, then wash with mild soap and water.
EYES: Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person. **INHALATION:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid) Strong oxidants. Violent reaction with nitric acid.

Hazardous Decomposition Products Thermal decomposition or burning will produce carbon dioxide and/or carbon monoxide and potassium oxide.

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
Ventilate area. Sweep up and place in a suitable container for incineration. Wash spill area with soap and 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.

Dispose of in an approved incinerator or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved dust mask.

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

Protective Gloves	Rubber if needed.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing
Store in a cool, dry place away from strong oxidizing agents. 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 mucous membranes. 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. 4	Date 10/21/98	Approved Michael Raszeja	Chemical Safety Coordinator MR
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SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	POTASSIUM HYDROGEN PHTHALATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 0 Fire 0 Reactivity 1
Chemical Synonyms	Potassium Biphthalate	
Formula	HOCOC ₆ H ₄ COOK	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	877-24-7	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Hydrogen Phthalate	100%	None established.

WARNING! HARMFUL IF SWALLOWED.

MAY CAUSE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	295°-300°C (563°-572°F) dec.	Specific Gravity (H₂O = 1)	1.636
Boiling Point (°F)	Decomposes on heating.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Non-volatile (NA).
Vapor Density (Air=1)	7.0		
Solubility in Water	Soluble.		
Appearance & Odor	White crystals or crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	Unknown	Lower	Upper
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Extinguisher Media Water spray; carbon dioxide (CO₂); dry chemical (ABC); foam

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. **NON-REGULATED.**

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