



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No.: PP0566  
Effective Date: January 1, 2007

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	Potassium Hydrogen Phthalate
<b>Chemical Synonyms</b>	Potassium Biphthalate; Potassium Acid Phthalate
<b>Formula</b>	C <sub>8</sub> H <sub>5</sub> KO <sub>4</sub>
<b>Unit Size</b>	up to 2.5 Kg.
<b>C.A.S. No.</b>	877-24-7

	<b>CHEMTREC</b> 800-424-9300 Day 585-226-6177	<b>Health</b>	1	
		<b>Fire</b>	0	
		<b>Reactivity</b>	0	
<b>NFPA</b>		<b>HMIS*</b>		
<b>HAZARD RATING</b>				
MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
0	1	2	3	4

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium hydrogen phthalate	100%	None established.
<b>WARNING!</b>		

MAY BE HARMFUL IF SWALLOWED. IRRITANT TO SKIN AND EYES.

## SECTION III PHYSICAL DATA

Melting Point (°F)	295°-300°C (563°-572°F) dec.	Specific Gravity (H <sub>2</sub> O = 1)	1.636
Boiling Point (°F)	Decomposes on heating.	Percent Volatile by Volume (%)	Non-volatile.
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Non-volatile.
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

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air</b> % by Volume	N/A	Lower	Upper
<b>Extinguisher Media</b>	Water spray; carbon dioxide; dry chemical; 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.

## SECTION V HEALTH HAZARD DATA

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<b>Threshold Limited Value</b>	None established. (ACGIH 2001).
<b>Effects of Overexposure</b>	Irritant to skin - prolonged contact may cause irritation and/or dermatitis. Irritant to eyes - may cause irritation, redness and pain. Ingestion may cause nausea, vomiting, and diarrhea. Exercise appropriate procedures to minimize potential hazards. Target organs: Skin and eyes.

<b>Emergency and First Aid Procedures</b>	<b>INGESTION:</b> Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. <b>EYES:</b> Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. <b>SKIN:</b> Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. <b>INHALATION:</b> Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat.
	<b>Stable</b>	X		
<b>Incompatibility (Materials to Avoid)</b>	Strong oxidants.			
<b>Hazardous Decomposition Products</b>	Thermal decomposition or burning will produce carbon dioxide and/or carbon monoxide and potassium oxide.			
<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>			
<b>May Occur</b>	<b>Will Not Occur</b>	Not applicable.		
	X			

## SECTION VII SPILL OR LEAK PROCEDURES

<b>Steps to be taken in case material is released or spilled</b>	Ventilate area. Sweep up and place in a suitable container for incineration. Wash spill area with soap and water.
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<b>Waste Disposal Method</b>	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.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None should be needed in normal laboratory handling. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved organic dust mask.			
<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.
<b>Protective Gloves</b>	Rubber if needed.		<b>Eye Protection</b>	Chemical safety glasses.
<b>Other Protective Equipment</b>	Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.			

## SECTION IX SPECIAL PRECAUTIONS

<b>Precautions to be Taken in Handling &amp; Storing</b>	Store in a cool, dry place away from strong oxidizing agents. Wash thoroughly after handling.
<b>Other Precautions</b>	Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid contact with skin, eyes and mucous membranes. Avoid breathing dust. Remove and wash contaminated clothing.

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

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

Revision No. 8	Date 01/01/07	Approved James A. Bertsch	Chemical Safety Coordinator JAB
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