



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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Avon, New York 14414  
(716) 226-6177

MSDS No. PP 340  
Effective Date April 13, 1999

## SECTION V HEALTH HAZARD DATA

PP 340

### Threshold Limited Value

None established. (ACGIH 1992-93).

### Effects of Overexposure

Low hazard. **INHALATION:** No symptoms known. **EYES OR SKIN EXPOSURE:** No symptoms known, but may be mild irritant. **INGESTION:** Low hazard. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**SKIN OR EYE CONTACT:** Flush eyes or skin thoroughly with water. For eyes, if irritation develops or persists, get immediate medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **INGESTION:** Get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	High temperatures cause decomposition to potassium carbonate, water and carbon dioxide.
	Stable	X		

Incompatibility (Materials to Avoid)	Reacts with acids to yield acid salts, water and carbon dioxide.
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Hazardous Decomposition Products	Gaseous carbon dioxide.
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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	Sweep up and place in a suitable container for proper disposal. Wash 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.
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Uncontaminated material may be disposed of in a sanitary landfill.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask.
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Ventilation	Local Exhaust	None needed.	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, lab coat, eye wash station, proper gloves.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a clean, cool, dry place away from acids and acid fumes. Wash thoroughly after handling.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals.
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Gloves are usually not necessary unless open skin is present. 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	4/13/99	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 BICARBONATE
Chemical Synonyms	Potassium Acid Carbonate
Formula	KHCO <sub>3</sub>
Unit Size	up to 2.5 Kg.
C.A.S. No.	298-14-6

CHEMTREC  
800-424-9300  
Day 716-226-6177

NFPA HAZARD RATING  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

Health	0
Fire	0
Reactivity	0

HMIS \*  
HIGH EXTREME  
3 4

## SECTION II INGREDIENTS OF MIXTURES

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

CAUTION! STORE AWAY FROM ACIDS AND ACID FUMES.

## SECTION III PHYSICAL DATA

Melting Point (°F)	Decomposes 100°-120°C (212°-248°F)	Specific Gravity (H <sub>2</sub> O = 1)	2.17 at 20°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (≈1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	36 grams per 100 mL. water at 20°C.		
Appearance & Odor	Colorless, transparent crystals, white granules or white powder; no odor.		

## 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

None required. Product is an inherent fire retardant. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce carbon dioxide as a decomposition product. Reacts with acids and acid fumes.

D.O.T. NON-REGULATED.

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