



**ALDON CORPORATION**

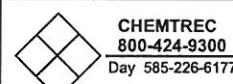
**MATERIAL SAFETY DATA SHEET**

221 Rochester Street  
Avon, New York 14414-9409  
(585) 226-6177

MSDS No.: PP0340  
Effective Date: May 3, 2002

**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



Health	0
Fire	0
Reactivity	0

NFPA

HAZARD RATING

MINIMAL	SLIGHT	MODERATE	SEVERE	EXTREME
0	1	2	3	4

HMIS \*

**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
---------------------------	----------------	-------------------------------------	-----	-------	-------

Extinguisher Media Use any media suitable for extinguishing supporting fire.

**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

Tab. 5

**SECTION V HEALTH HAZARD DATA**

PP0340

Threshold Limited Value None established. (ACGIH 2001).

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. Target organs: None known.

Emergency and First Aid Procedures **INGESTION:** 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. **EYES:** 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. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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.

Hazardous Decomposition Products Gaseous carbon dioxide.

Hazardous Polymerization	May Occur	Will Not Occur	Conditions to Avoid Not applicable.
		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 reclamation or proper disposal. 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.

Uncontaminated material may be disposed of in a sanitary landfill.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

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

Ventilation	Local Exhaust	None needed.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Rubber if needed. Eye Protection Chemical safety glasses.

Other Protective Equipment Goggles, lab coat, eye wash station, proper gloves.

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

Gloves are usually not necessary unless open skin is present. Remove and wash contaminated clothing.

Revision No. 1 Date 05/03/02 Approved Michael Raszeja Chemical Safety Coordinator MR

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.