



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. PP 420
Effective Date April 15, 1999

SECTION V HEALTH HAZARD DATA

PP 420

Threshold Limited Value None established. (ACGIH 1992-93). RTECS No. TS7750000
Toxicity data: Oral (rat) LD50: 1870 mg/kg. Rated - slightly toxic.

Effects of Overexposure **TARGET ORGANS AFFECTED:** Respiratory tract/Gastrointestinal tract, lungs. **INHALATION:** High dust concentrations may cause upper respiratory tract irritation. **EYES:** Contact with the powder causes eye irritation or burns. **SKIN:** Prolonged or repeated skin contact causes skin irritation or burns. **INGESTION:** May be severely irritating to mucous membranes, mouth, throat, esophagus and stomach.

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

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid) Aluminum, Fluorine, Phosphorus pentoxide. Acids cause decomposition liberating gaseous carbon dioxide. Contact with lime dust can cause formation of caustic Potash.

Hazardous Decomposition Products Carbon dioxide (CO₂).

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 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 accordance with federal, state and local regulations, or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None required in normal handling; under extreme dusting conditions a standard particulate NIOSH/MSHA respirator is desirable or work in a ventilation hood.

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

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

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 acid or acid fumes and lime dust. 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 breathing dust. Avoid contact with eyes and skin. 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. 6	Date 4/15/99	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 CARBONATE, ANHYDROUS	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * HEALTH FIRE REACTIVITY 2 0 1
Chemical Synonyms	Potash	
Formula	K ₂ CO ₃	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	584-08-7	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Carbonate	100%	None established.
WARNING! IRRITANT. HARMFUL IF SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	891°C (1635°F)	Specific Gravity (H₂O = 1)	2.428 at 20°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Ac. =1)	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	100 grams per 100 mL. water at 20°C.		
Appearance & Odor	White, hygroscopic, granular or translucent powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable (NA).	Flammable Limits in Air % by Volume	NA	Lower	Upper
Extinguisher Media	None needed. Material is inherent fire retardant.				

SPECIAL FIREFIGHTING PROCEDURES

Its presence in a fire does not hinder the use of any standard extinguishing media. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

No known hazards. Note decomposition beginning temperature, Section III and decomposition products, Section VI. Can react vigorously with acids and acid fumes.

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

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