



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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(716) 226-6177

MSDS No. PP 419
Effective Date April 15, 1999

SECTION V HEALTH HAZARD DATA

PP 419

Threshold Limited Value

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

Effects of Overexposure

TARGET ORGANS AFFECTED: Respiratory/Gastrointestinal tract, lungs.
INHALATION: High dust concentrations may cause upper respiratory tract irritation.
EYES: Contact with the powder may cause eye irritation, conjunctivitis, corneal damage. **SKIN:** Prolonged or repeated skin contact may cause skin irritation. May cause burns. **INGESTION:** Of large quantities may occur and produce corrosion of gastrointestinal tract, vomiting, diarrhea, circulatory collapse, death.

Emergency and First Aid Procedures

EYES: Immediately flush eyes with plenty of water, lifting lower and upper eyelids occasionally. Get medical attention. **SKIN:** Flush skin with plenty of 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 milk or water 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.
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Hazardous Decomposition Products	Carbon dioxide (CO ₂).
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Provide adequate ventilation. Sweep up and place in a suitable container for proper disposal. Wash spill area with 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. Dispose of in accordance with federal, state and local regulations or contract with a licensed waste disposal service.
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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.		
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Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, eye wash station, proper gloves, ventilation hood.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from acid or 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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Avoid contact with skin and eyes. 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. 3	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 SESQUIHYDRATE
Chemical Synonyms	Potash Sesquihydrate
Formula	K ₂ CO ₃ •1.5 H ₂ O
Unit Size	up to 2.5 Kg.
C.A.S. No.	6381-79-9

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

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

Health	2
Fire	0
Reactivity	1

HMIS *
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Potassium Carbonate, Sesquihydrate	100%	None established.

WARNING! IRRITANT. HARMFUL

IF SWALLOWED OR INHALED.

SECTION III PHYSICAL DATA

Melting Point (°F)	891°C (1635°F) (anhydrous)	Specific Gravity (H ₂ O = 1)	2.428 at 20°C
Boiling Point (°F)	Decomposes.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (n-Butyl Ac. = 1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Slightly soluble.		
Appearance & Odor	Small granular crystals; 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	Dry chemical; carbon dioxide; water spray or foam.				

SPECIAL FIREFIGHTING PROCEDURES

For larger fires, use water spray, fog or alcohol foam. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Avoid breathing hazardous vapors.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Note decomposition beginning temperature, Section III and decomposition products, Section VI. Can react vigorously with acids and acid fumes. Reacts with water with the evolution of heat.

D.O.T. NON-REGULATED.

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