



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. LL 205
Effective Date March 22, 1999

SECTION V HEALTH HAZARD DATA

LL 205

Threshold Limited Value None established (ACGIH 1992-93). RTECS No. OJ5800000
Toxicity data: Ori-rat LD50: 531 mg/kg.

Effects of Overexposure **TARGET ORGANS AFFECTED:** Kidneys, central nervous system, thyroid.
INGESTION: May cause vomiting, digestive disorders, disorientation, kidney and nerve damage. **EYES:** May cause irritation. **SKIN:** May cause irritation.
INHALATION: May cause sore throat, respiratory tract irritation, coughing.

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

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat. Dispersion of dust in air.
	Stable	X		

Incompatibility (Materials to Avoid) Strong acids.

Hazardous Decomposition Products Thermal decomposition or burning may produce carbon dioxide and/or carbon monoxide.

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 **Small spills:** Dissolve in water and flush to sewer with copious amounts of water. **Large spills:** Ventilate area. Sweep up and place in a suitable container for proper disposal.

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 (Specify Type) None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA approved dust mask or respirator.

Ventilation	Local Exhaust	Not needed.	Special	No.
	Mechanical (General)	If dusty.	Other	No.

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

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

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry place away from acids or 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.

Use with adequate ventilation. Avoid contact with eyes, skin and clothing. 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 3/22/99	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	LITHIUM CARBONATE	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * Health 2 Fire 0 Reactivity 0
Chemical Synonyms	Carbonic Acid, Dilithium Salt	
Formula	Li ₂ CO ₃	
Unit Size	up to 2.5 Kg.	
C.A.S. No.	554-13-2	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Lithium Carbonate	99.0%	None established.
WARNING! STRONG IRRITANT. MAY BE HARMFUL IF INHALED OR SWALLOWED.		

SECTION III PHYSICAL DATA

Melting Point (°F)	720°C (1330°F)	Specific Gravity (H ₂ O = 1)	2.111 @ 17.5°C
Boiling Point (°F)	1310°C (2390°F) dec.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Non-volatile (NA).
Vapor Density (Air=1)	N/A		
Solubility in Water	1.3% by weight @ 25°C (77°F).		
Appearance & Odor	White 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
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Extinguisher Media Use any media suitable for extinguishing supporting fire.

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 with acids.

D.O.T. NON-REGULATED.

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