



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. LL 227
Effective Date March 22, 1999

SECTION V HEALTH HAZARD DATA

LL 227

Threshold Limited Value None established by ACGIH (1992-93).

Effects of Overexposure May be harmful by ingestion. May cause irritation. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting and 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 AS MIST:** Remove to fresh air.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Stable under ordinary conditions of use and storage. Excessive heat and temperature.
	Stable	X		

Incompatibility (Materials to Avoid) Oxidizable, organic and combustible materials.

Hazardous Decomposition Products Emits nitrogen oxides when heated to decomposition.

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 Absorb spill with an inert dry material and place in a suitable container for 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.

Dispose of in accordance with federal, state and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

Ventilation	Local Exhaust	If misty.	Special	No.
	Mechanical (General)	If misty.	Other	No.

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

Other Protective Equipment Goggles, proper gloves, lab coat, eye wash station, quick-drench facilities, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool area away from combustible, organic and oxidizable materials. 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.

Remove and wash contaminated clothing. Avoid contact with eyes, skin and clothing.

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

Revision No. 2	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 NITRATE 0.5 MOLAR SOLUTION	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 0 1 2 3 4
Chemical Synonyms	Lithium Nitrate Water Solution	
Formula	Mixture	
Unit Size	up to 3.785 Lt.	
C.A.S. No.	Mixture	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Lithium Nitrate: (CAS No. 7790-69-4)	3.45%	None established.
Water: (CAS No. 7732-18-5)	96.55%	None established.

WARNING! MAY CAUSE IRRITATION. MAY BE HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes below 0°C (32°F)	Specific Gravity (H₂O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F) (water)	Percent Volatile by Volume (%)	96.55%
Vapor Pressure (mm Hg)	14 (water).	Evaporation Rate (Water = 1)	< 1
Vapor Density (Air=1)	0.7 (water).		
Solubility in Water	Complete.		
Appearance & Odor	Clear, water white, water like liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media Use any means suitable for extinguishing surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus. Use flooding amounts of water in early stages of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions, water may evaporate from this solution, which may cause hazardous decomposition products to be produced as dust or fume.

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

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