



**ALDON
CORPORATION**



MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
Avon, New York 14414
(716) 226-6177

MSDS No. SS 693
Effective Date May 5, 1999

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	SODIUM NITRATE 0.5 MOLAR SOLUTION
Chemical Synonyms	Sodium Nitrate, Aqueous Solution
Formula	Mixture
Unit Size	up to 3.785 Lt.
C.A.S. No.	Mixture

 CHEMTREC 800-424-9300 Day 716-226-6177	<table><tr><td>Health</td><td>1</td></tr><tr><td>Fire</td><td>0</td></tr><tr><td>Reactivity</td><td>1</td></tr></table>	Health	1	Fire	0	Reactivity	1
Health	1						
Fire	0						
Reactivity	1						
 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4	HMIS * 0 1 2 3 4						

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Nitrate: (CAS No. 7631-99-4)	4.25%	None established.
Water: (CAS No. 7732-18-5)	95.75%	None established.

WARNING! MAY BE HARMFUL IF SWALLOWED.

SECTION III PHYSICAL DATA

Melting Point (°F)	Freezes below 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.1
Boiling Point (°F)	Above 100°C (212°F)	Percent Volatile by Volume (%)	95.75%
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)	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

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 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

SECTION V HEALTH HAZARD DATA

SS 693

Threshold Limited Value

None established for this solution. (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.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water. Induce vomiting and call a physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with soap and water. **EYES:** Flush freely with water. If irritation develops or persists, get medical attention. **INHALATION AS MIST:** Remove to fresh air. If symptoms of illness develop, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature to cause evaporation.
	Stable	X	

Incompatibility (Materials to Avoid)	Combustible materials, reducing agents, strong acids.
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Hazardous Decomposition Products	Yields toxic gaseous oxides of nitrogen when involved in fire.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Small spills: Flush to sewer with copious amounts of water.
Large spills: Absorb in vermiculite, sand, earth or paper towel 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	None required.	Special	No.
	Mechanical (General)	None required.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.

Other Protective Equipment

Lab coat, apron, eye wash station, proper gloves.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Store in a cool place.
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.

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

Revision	No. 2	Date	5/5/99	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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