



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

221 Rochester Street
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MSDS No.: SS1000 SS1010
Effective Date: January 1, 2007

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Strontium Nitrate
Chemical Synonyms	N/A
Formula	Sr(NO ₃) ₂
Unit Size	up to 2.5 Kg.
C.A.S. No.	10042-76-9



CHEMTREC
800-424-9300
Day 585-226-6177

Health	1
Fire	0
Reactivity	3

NFPA

HAZARD RATING				
MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE
0	1	2	3	4

HMIS*

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Strontium nitrate	100%	See Section V.
DANGER! STRONG OXIDIZER! HARMFUL IF SWALLOWED.		

CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE OR EXPLOSION.

SECTION III PHYSICAL DATA

Melting Point (°F)	570°C (1058°F)	Specific Gravity (H ₂ O = 1)	2.986 at 20°C
Boiling Point (°F)	Decomposes 645°C (1193°F)	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	66 grams in 100 mL. water at 20°C.		
Appearance & Odor	White granules, crystals or powder; 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 water only. Do not use dry chemicals, carbon dioxide or halogenated extinguishing agents.				

SPECIAL FIREFIGHTING PROCEDURES

Flood with large volumes of water. Material may melt or fuse, application of water may scatter molten material. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

(2004 EMERGENCY RESPONSE GUIDEBOOK, RSPA P 5800.9, GUIDE PAGE NO. 140)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Spontaneous chemical reaction with low flash point organics or reducing agents or heatshock. Increases the flammability of any combustible material. Fire or excessive heat may produce hazardous decomposition products. When burning produces brilliant red fire.

SECTION V HEALTH HAZARD DATA SS1000

Threshold Limited Value	None established for this product by (ACGIH 2001). Nuisance dust: 15 mg/m ³ . Toxicity Data: Oral-rat: LD50: 2750 mg/kg. LD50 i.p. in rats: 540 mg/kg.
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Effects of Overexposure	Mild chemical burns to eyes and slight irritation to skin and mucous membranes. May cause nausea, vomiting, diarrhea, difficulty breathing, irregular heartbeat, headache, drowsiness, dizziness, bluish skin color and coma. Target organs: Liver, kidneys, blood, heart, spleen, central nervous system, lungs.
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Emergency and First Aid Procedures	INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. EYES: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
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SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Can be explosive when mixed with reducing agents, mixtures may detonate by heat and shock.
	Stable	X		

Incompatibility (Materials to Avoid)	Reducing agents, combustible materials, organic materials, metals and alloys.
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Hazardous Decomposition Products	Oxides of nitrogen, carbon dioxide gas.
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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	Recover for use if not contaminated. Sweep up and place in a suitable container for disposal. Small quantities may be dissolved in water and flushed to sewer with large amounts of 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 an approved chemical landfill or contract with an approved and licensed disposal agency.
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SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.		
Ventilation	Local Exhaust	Recommended.	Special
	Mechanical (General)	Recommended.	Other
			No.
			No.

Protective Gloves	Rubber.	Eye Protection	Chemical safety goggles.
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Other Protective Equipment	Faceshield, smock, apron, proper gloves, fire extinguisher, eye wash station, 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 sparks, flame and incompatible materials. Wash thoroughly after handling.
Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

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

Revision No.	2	Date	01/01/07	Approved	James A. Bertsch	Chemical Safety Coordinator	JAB
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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.

D.O.T. Strontium nitrate, 5.1, UN1507, PG III, Ltd Qty ≤ 5 Kg.

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