



# MATERIAL SAFETY DATA SHEET

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MSDS No. SS 998  
Effective Date May 6, 1999

## SECTION V HEALTH HAZARD DATA

SS 998

### Threshold Limited Value

None established by ACGIH 1992-93.

### Effects of Overexposure

**INHALATION:** May cause nasal and respiratory irritation. **INGESTION:** Large oral doses may exert osmotic effect which tends to induce vomiting and diarrhea. May irritate skin and eyes. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**INGESTION:** If swallowed, if conscious, give water to drink, induce vomiting and call physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention. **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid)	Acids.
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Hazardous Decomposition Products	Thermal decomposition may release combustible strontium oxide and toxic oxides of carbon.
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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	Reclaim as much as possible. Sweep up and place in a suitable container for disposal. Wash spill area with soap and 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 a licensed waste disposal service.
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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 respirator.			
Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.
Protective Gloves	Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Goggles, smock, apron, gloves, ventilation hood, eye wash station.			

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry 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.
	Do not breathe dust. 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 5/6/99	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	STRONTIUM CARBONATE	<p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Fire</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	1	Fire	0	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	1																	
Fire	0																	
Reactivity	0																	
Chemical Synonyms	Strontianite																	
Formula	SrCO <sub>3</sub>																	
Unit Size	up to 2.5 Kg.																	
C.A.S. No.	1633-05-2																	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Strontium Carbonate	100%	None established.
<b>CAUTION! CAUSES IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	1100°C (2012°F) Decomposes.	Specific Gravity (H <sub>2</sub> O = 1)	3.5
Boiling Point (°F)	Data not listed.	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	Data not listed.	Evaporation Rate ( =1)	N/A
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	0.11% @ 18°C (64°F).		
Appearance & Odor	Gray-white powder or granules; 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 surrounding fire.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Negligible fire hazard when exposed to heat or flame. Move container from fire area if possible. Avoid breathing vapors or dust. Keep upwind.

D.O.T. NON-REGULATED.

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