

# SUPPLIER



## MATERIAL SAFETY DATA SHEET

**GENERATED** 03/15/2011, **REVISION** 06/01/1994, **DATE CREATED** 07/25/1986

### SECTION I - PRODUCT IDENTIFICATION

**Strontium carbonate, powder and pieces**

**PRODUCT NAME:** Strontium carbonate, powder and pieces

**PRODUCT CODE:** S-MSDS0035

**REFERENCE #:** 1633-05-2

#### **MANUFACTURER INFORMATION**

**COMPANY NAME:** Materion Advanced Chemicals Inc.

1316 W. St. Paul Avenue

Milwaukee, WI 53233

**EMERGENCY CONTACT:** CHEMTREC (800)424-9300

**ALTERNATE EMERGENCY CONTACT:** Materion Advanced Chemicals Inc. (414)289-9800

**CHEMICAL FAMILY:** Metal carbonate

**CAS NUMBER:** 1633-05-2

**FORMULA:** SrCO<sub>3</sub>

**MOLECULAR WEIGHT:** 147.63

#### **SYNONYMS**

Strontium carbonate; natural strontianate

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

**Strontium carbonate, powder and pieces**

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV	Other Limits
Strontium Carbonate	1633-05-2	0.0 -100.0 %	NE	NE	NE

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS****Strontium carbonate, powder and pieces**

<b><u>PHYSICAL STATES:</u></b>	[ ] Gas	[ ] Liquid	[ X ] Solid
<b><u>MELTING POINT:</u></b>	1497.00 C		
<b><u>BOILING POINT:</u></b>	1340.00 C		
<b><u>SPECIFIC GRAVITY (WATER = 1):</u></b>	3.7 gm/cc		
<b><u>VAPOR PRESSURE (VS. AIR OR MM HG):</u></b>	NE		
<b><u>VAPOR DENSITY (VS. AIR = 1):</u></b>	NE		
<b><u>EVAPORATION RATE (VS BUTYL ACETATE=1):</u></b>	NE		
<b><u>SOLUBILITY IN WATER:</u></b>	soluble		
<b><u>SOLUBILITY NOTES</u></b>			
<b><u>PERCENT VOLATILE:</u></b>	N.A.		
<b><u>APPEARANCE AND ODOR</u></b>			

White powder and pieces, no odor

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA****Strontium carbonate, powder and pieces**

<b><u>FLASH PT:</u></b>	N.A.	Method Used:	Unknown
<b><u>EXPLOSIVE LIMITS:</u></b>	LEL: NA	UEL:	NA
<b><u>EXTINGUISHING MEDIA</u></b>			

USE: Not applicable. Use extinguishing agent for surrounding material and type of fire.

**SPECIAL FIRE FIGHTING PROCEDURES**

Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

None recorded

**HAZARDOUS COMBUSTION PRODUCTS**

**SECTION V - REACTIVITY DATA**  
**Strontium carbonate, powder and pieces**

**STABILITY:** Unstable [ ☐ ] Stable [ ☒ ]

**CONDITIONS TO AVOID - INSTABILITY**

None

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**INCOMPATIBILITY - MATERIALS TO AVOID**

None recorded.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Strontium oxide and carbon dioxide

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**HAZARDOUS POLYMERIZATION:** Will occur [ ☐ ] Will not occur [ ☒ ]

**CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION**

None

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**SECTION VI - HEALTH HAZARD DATA**  
**Strontium carbonate, powder and pieces**

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

To the best of our knowledge the chemical, physical and toxicological properties of strontium carbonate have not been thoroughly investigated and recorded.

Strontium compounds have a low order of toxicity. It is chemically and biologically similar to calcium. Strontium salicylate is the most toxic compound. The oxides and hydroxides are moderately caustic materials. (Sax, Dangerous Properties of Industrial Materials, eighth edition)

**INHALATION:**

Acute: May cause irritation to the respiratory system, coughing and shortness of breath.

Chronic: May cause pulmonary edema.

**INGESTION:**

Acute: May cause excessive salivation, vomiting, colic and diarrhea.

Chronic: No chronic health effects recorded.

**SKIN:**

Acute: May cause irritation.

Chronic: May cause dermatitis.

EYE:

Acute: May cause irritation and visual impairment.

Chronic: No chronic health effects recorded.

TARGET ORGANS: No target organs for strontium carbonate have been recorded.

**CARCINOGENICITY:** NTP? No      IARC Monographs? No      OSHA Regulated? No

**RECOMMENDED EXPOSURE LIMITS**

See "Section II"

**LD 50 / LC 50**

No toxicity data recorded

**SIGNS AND SYMPTOMS OF EXPOSURE**

INHALATION: May cause sneezing, coughing and dry throat.

INGESTION: May cause excessive salivation, vomiting, colic and diarrhea.

SKIN: May cause itching, redness, inflammation and chemical burns.

EYE: May cause itching, redness, inflammation and watering.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Pre-existing respiratory disorders.

**EMERGENCY AND FIRST AID PROCEDURES**

INHALATION: Remove victim to fresh air; keep warm and quiet; give oxygen if breathing is difficult and seek medical attention.

INGESTION: Give 1-2 glasses of milk or water and induce vomiting; seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

SKIN: Remove contaminated clothing; brush material off skin; wash affected area with mild soap and water; seek medical attention.

EYE: Flush eyes with lukewarm water, lifting upper and lower eyelids, for at least 15 minutes. Seek medical attention.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**  
**Strontium carbonate, powder and pieces**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Wear appropriate respiratory and protective equipment specified in section VIII-control measures. Isolate spill area and provide ventilation. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for proper disposal. Take care not to raise dust.

### **WASTE DISPOSAL METHOD**

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

### **HAZARD LABEL INFORMATION:**

Store in tightly sealed container      Wash thoroughly after handling

### **PRECAUTIONS TO BE TAKEN IN HANDLING**

### **PRECAUTIONS TO BE TAKEN IN STORING**

### **OTHER PRECAUTIONS**

None

## **SECTION VIII- CONTROL MEASURES**

### **Strontium carbonate, powder and pieces**

### **PROTECTIVE EQUIPMENT SUMMARY - HAZARD LABEL INFORMATION:**

NIOSH approved respirator      Impervious gloves      Safety glasses      Clothes to prevent skin contact

### **RESPIRATORY EQUIPMENT (SPECIFY TYPE)**

NIOSH/MSHA - approved dust, mist, vapor respirator

### **EYE PROTECTION**

Safety glasses

### **PROTECTIVE GLOVES**

Rubber gloves

### **OTHER PROTECTIVE CLOTHING**

Protective gear suitable to prevent contamination

### **VENTILATION**

Local Exhaust: To maintain concentration at low exposure levels Special: None

Mechanical (Gen): Recommended

Other: None

### **WORK/HYGIENIC/MAINTENANCE PRACTICES**

Implement engineering and work practice controls to reduce and maintain concentration of exposure at low levels. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with compressed air.

**SECTION IX - ADDITIONAL COMMENTS**  
**Strontium carbonate, powder and pieces**

No data available.

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