



SAFETY DATA SHEET

CHEMALLOY CO. LLC
P.O. BOX 350
BRYN MAWR, PA 19010-0350

CHEMICAL NAME: Strontium Carbonate
COMMON/TRADE NAME: Strontium Carbonate

SECTION 1 - IDENTIFICATION

Product Identifier Strontium Carbonate
Other Name(s) Strontium Carbonate
Recommended use Manufacturing & Welding
Restrictions for use Commercial use only, not for human consumption
Manufacturer Name Chemalloy Company LLC
Address PO Box 350
Bryn Mawr, PA 19010
Telephone (610) 527-3700
Fax No. (610) 527-3878
Emergency Phone (800) 424-9300 (Chemtrec)
Contract No. CCN 4453

SECTION 2 - HAZARD(S) IDENTIFICATION

Hazardous Classification per 29CFR 1910.1200 (Rev. July 1, 2012) Specific target organ toxicity - single exposure (Category 3-Respiratory)
100% of ingredients consists of unknown acute toxicity

Other Hazards not classified None known

Signal Word WARNING



Hazard pictograms

Hazard Statements
May cause respiratory irritation.

Precautionary Statements

Prevention Do not breathe dust, fume, gas, mist, vapors or spray.
Use only in a well-ventilated area or outdoors.
Response If inhaled: Move person to fresh air and seek medical assistance if feeling unwell.
Storage Store in a well-ventilated place in properly labelled, tightly sealed appropriate packaging.
Prohibit access to unauthorized use.
Disposal Dispose of contents/container in accordance with local, state and federal regulations.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Formula	CAS No.	Concentration
Strontium Carbonate	SrCO ₃	1633-05-2	> 98 % and < 99 %
Barium Carbonate	BaCO ₃	513-77-9	> 0.5 % and < 1.5 %

Common Names/Synonyms Strontium Carbonate

SECTION 4 - FIRST AID MEASURES

In case of inhalation	If breathed in and person has difficulty breathing or feels unwell, move person into fresh air. If symptoms persist, obtain immediate medical attention and report substance inhaled. If victim is not breathing, and if assistance is trained, administer CPR.
In case of skin contact	If after contact, skin becomes irritated, remove contaminated clothes from victim. Wash the contaminated area with plenty of warm water and soap (for 15 minutes). If symptoms persist, seek medical attention and report substance contacting skin.
In case of eye contact	Flush eyes immediately with plenty of flowing water for 15 minutes holding eyelids open. If symptoms persist, seek medical attention and report substance irritating eyes.
In case of ingestion	Obtain immediate medical attention and report substance ingested. Do not give an unconscious victim anything to eat or drink, or try to induce vomiting.
Symptoms & Effects -acute	Irritation to the respiratory system
Symptoms & Effects -chronic	None known
Immediate Medical Care	Treat symptomatically.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media	Substance is not flammable or combustible, in case of fire use extinguishing media appropriate for the surrounding environment (i.e. ABC dry chemical)
Special hazards arising from substance or mixture	None Known
Special protective equipment & precautions for firefighters	Firefighters should wear full protective clothing and NIOSH approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	For non-emergency personnel: keep unprotected people away, allow only well trained personnel wearing suitable protective clothing to respond to the incident. For emergency responders: Avoid eye and skin contact; Do not inhale dust particles, and avoid the formation of dust.
Methods and materials for containment and clean-up	Spilled material is to be collected in a mechanical manner minimizing the formation of dust, and placed into a suitable, properly labelled container for disposal. Have sand pails available. Also, during disposal wear suitable personal protective equipment.
Environmental precautions	Dispose of spillage and waste (product/packaging) in accordance with all applicable environmental laws. Do not allow to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	Observe conventional hygiene precautions, and after work hours, wash hands thoroughly. Avoid the direct contact with the product. Do not eat or smoke in the workplace. Ensure adequate ventilation and avoid formation of dust. Use Personal Protective Equipment as detailed in Section 8. Emptied containers may contain residues of product, which may be hazardous.
Conditions for Safe Storage, including any incompatibilities	Keep in original, closed and labelled container. Place of storage should be properly ventilated, clean, cool and dry. Product should not be stored in the vicinity of acids, or moisture. Follow all instructions on warning labels.
Precautions against fire and explosion	No special measures are required, substance will not burn.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Hazardous Component	CAS NO.	OSHA PEL	ACGIH TLV
Strontium Carbonate	1633-05-2	15.0 mg/M ³ TWA (Total Dust)	10.0 mg/M ³ TWA (Inhalable Particles)
Barium Carbonate	513-77-9	0.5 mg/M ³ TWA (as Ba)	0.5 mg/M ³ TWA (as Ba)

Personal Protection Requirements

- Respiratory:** NIOSH approved respirators should be used when mechanical controls are not feasible.
- Hand:** Protective gloves are recommended for handling this material.
- Eye:** ANSI approved eye protection is recommended when handling this material.
- Other/ Clothing:** Appropriate work place clothing should be worn when handling this material.
- Engineering Controls:** Local exhaust/ventilation should be used when feasible to control dust levels below acceptable occupational exposure limits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/APPEARANCE white powder	ODOR No odor	ODOR THRESHOLD No data available
pH No data available	MELTING PT decomposes	INITIAL BOILING PT No data available
FLASH PT No data available	EVAPORATION RATE No data available	FLAMMABILITY (solid, gas) non flammable
UEL / LEL No data available	VAPOR PRESSURE No data available	VAPOR DENSITY No data available
SPECIFIC GRAVITY/RELATIVE DENSITY 3.7 (H ₂ O =1)	SOLUBILITY (water) very slight	PARTITION COEFFICIENT No data available
AUTO IGNITION TEMPERATURE No data available	DECOMPOSITION TEMPERATURE approx. 1316°C	VISCOSITY Not Applicable

SECTION 10 - STABILITY AND REACTIVITY

- Reactivity** None Known
- Chemical Stability** Stable at normal temperature & general work conditions
- Possibility of Hazardous Reactions** None Known
- Conditions to Avoid** None Known
- Incompatible Materials** None Known
- Hazardous Decomposition Products** Carbon Dioxide

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY None Known	LD ₅₀ (inhalation-rat) No data available	LD ₅₀ (oral-rat) No data available	ATE CALCULATIONS Not Applicable
SKIN CORROSION/IRRITATION None Known	SERIOUS EYE DAMAGE/EYE IRRITATION None Known		SKIN SENSITIZATION None Known
GERM CELL MUTAGENICITY None Known	CARCINOGENICITY (IARC, NTP, OSHA, ACGIH) None Known		REPRODUCTIVE TOXICITY None Known
STOT-SINGLE EXPOSURE Category 3 - Respiratory	STOT-REPEATED EXPOSURE None Known		ASPIRATION HAZARD None Known

Likely Routes of Exposure Inhalation

SECTION 11 - TOXICOLOGICAL INFORMATION (cont.)

Symptoms related to Physical, Irritation to the respiratory system
 Chemical, Toxicological Characteristics

Delayed and Immediate effects from None known
 short-term and long-term exposure

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY	LC ₅₀ (fish)	EC ₅₀ (crustaceans)	NOEC (algae)
None Known	No data available	No data available	No data available

Persistence and Degradability No data available

Bioaccumulative potential No data available

Mobility in Soil No data available

Other Adverse Effects No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in Sections 7 and 8.

Methods of Disposal Dispose of spillage and waste (product/packaging) in accordance with all local/regional national/ international regulations. Waste containing barium is considered hazardous under the RCRA criteria.

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name This material is not regulated by 49 CFR.

UN Number none

Hazard Class none

Packing Group none

SECTION 15 - REGULATORY INFORMATION**TSCA Information**

This chemical appears on the Toxic Substances Control Act (TSCA) inventory.

SARA Title III: Sec 302 Extremely Hazardous Substances, 40 CFR355

There are no extremely hazardous substances present in this material.

SARA Title III: Sec 311 and 312, MSDS Requirements

This material is subject to the reporting requirements for this regulation. Threshold planning quantity: 10,000 lbs.

SARA Title III: Sec 313, Toxic Chemicals Notification

This material contains 1% Barium, a toxic chemical subject to the reporting requirements for this regulation.

SECTION 16 - OTHER INFORMATION

Revision History 05/26/2015 - SDS formatted to 16-part GHS format, Supersedes 12/01/2014 MSDS revision

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