

**Material Safety Data Sheet**  
 May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072



**IDENTITY** (As Used on Label and List)  
 Strontium Carbonate CAS #1633-05-2

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name Seaforth Products Corporation	Emergency Telephone Number (216) 292-5820
Address (Number, Street, City, State, and ZIP Code) 3690 Orange Place, Suite 495 Cleveland, OH 44122	Telephone Number for Information (216) 292-5820
	Date Prepared January 1, 2008
	Signature of Preparer (optional) <i>Gary B. MacLung, CEO</i>

**Section II — Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Barium Carbonate	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>		1.2%
	for barium	for respirable		
		nuisance dust		

**Section III — Physical/Chemical Characteristics**

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	3.5
Vapor Pressure (mm Hg.)	N/A	Melting Point	Decomposes to SrO at ca 1100°C
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water  
 By weight 0.001% (20°)

Appearance and Odor  
 White Granular Powder, Odorless

**Section IV — Fire and Explosion Hazard Data**

Flash Point (Method Used) Non-Flammable	Flammable Limits None	LEL	UEL
Extinguishing Media No fire hazard			
Special Fire Fighting Procedures None			

Unusual Fire and Explosion Hazards  
 None

**Section V — Reactivity Data**

Stability	Unstable	Conditions to Avoid Very high temperature (1100°C)
	Stable	

Incompatibility (Materials to Avoid)  
Acids

Hazardous Decomposition or Byproducts  
None

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	

**Section VI — Health Hazard Data**

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic)  
Acute: Muscle twitchings, confusion, dilated pupils, possible convulsions and/or paralysis; Chronic: Possibly some degree of paralysis of the extremities. Not known to be a carcinogen.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated? NO
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Signs and Symptoms of Exposure  
Excessive salivation, vomiting, abdominal pain, and diarrhea

Medical Conditions  
Generally Aggravated by Exposure None known

Emergency and First Aid Procedures  
EYES: Flush with water and seek medical attention.  
SKIN: Wash with soap and water.  
INHALATION: Flush mouth and nasal passages with water.  
INGESTION: Administer epsom salts in dissolved water and induce vomiting.

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled  
Try to keep material dry and away from acid and sweep or scoop up material.

Waste Disposal Method Waste containing more than 0.2% soluble barium is hazardous. This material may contain more than 0.2% soluble barium if pH is low. It can be rendered non-hazardous by mixing with excess sulfate to form insoluble barium sulfate. Observe all federal, state, and local laws.

Precautions to Be Taken in Handling and Storing  
Avoid acids

Other Precautions  
Provide sufficient ventilation to remove dust.

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)  
Use NIOSH approved dust mask if excessive dust is present.

Ventilation	Local Exhaust	Special-- Reaction with acid can release large quantities of carbon dioxide which can lead to suffocation in confined area. Use adequate ventilation.
	Mechanical (General)	

Protective Gloves  
General Purpose

Eye Protection  
Safety Glasses

Other Protective Clothing or Equipment  
None

Work/Hygienic Practices  
N/A