

## Section 1 Identification

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**Cornerstone Educational Supply**

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 www.cornerstone-edsupply.com

**CHEMTREC 24 Hour Emergency**  
**Phone Number (800) 424-9300**  
 For laboratory and industrial use only.  
 Not for drug, food or household use.

**Product** STRONTIUM CHLORIDE, HEXAHYDRATE

**Synonyms** None listed

## Section 2 Hazards identification

**Signal word:** DANGER

**Pictograms:** GHS05

**Target organs:** None known



**GHS Classification:**

Eye damage (Category 1)

**GHS Label information: Hazard statement:**

H318: Causes serious eye damage.

**Precautionary statement:**

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor.

**Hazards not otherwise classified:**

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

## Section 3 Composition / information on ingredients

| Chemical Name      | CAS #      | %    | EINECS                |
|--------------------|------------|------|-----------------------|
| Strontium chloride | 10025-70-4 | 100% | 233-971-6 (anhydrous) |

## Section 4 First aid measures

**INGESTION:** MAY BE HARMFUL IF SWALLOWED. 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.

**INHALATION:** MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**EYE CONTACT:** MAY CAUSE EYE IRRITATION. 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 ABSORPTION:** MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

## Section 5 Fire fighting measures

**Suitable Extinguishing Media:** Carbon dioxide, dry chemical, dry sand, alcohol foam.

**Protective Actions for Fire-fighters:** In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

**Specific Hazards:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

## Section 6 Accidental release measures

**Personal Precautions:** Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

**Environmental Precautions:** Avoid runoff into storm sewers and ditches which lead to waterways.

**Containment and Cleanup:** Recover for reuse if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.



**Precautions for Safe Handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

## Section 8 Exposure controls / personal protection

| Exposure Limits: | Chemical Name      | ACGIH (TLV)     | OSHA (PEL)      | NIOSH (REL)     |
|------------------|--------------------|-----------------|-----------------|-----------------|
|                  | Strontium chloride | Not established | Not established | Not established |

**Engineering controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

**Respiratory protection:** None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

## Section 9 Physical and chemical properties

|   |   |   |
|---|---|---|
| <b>Appearance:</b> Solid, white crystals<br><b>Odor:</b> No odor<br><b>Odor threshold:</b> Data not available<br><b>pH:</b> Data not available<br><b>Melting / Freezing point:</b> 868°C (1594°F)<br><b>Boiling point:</b> Decomposes<br><b>Flash point:</b> Data not available | <b>Evaporation rate ( = 1):</b> Data not available<br><b>Flammability (solid/gas):</b> Data not available<br><b>Explosion limits: Lower / Upper:</b> Data not available<br><b>Vapor pressure (mm Hg):</b> Negligible<br><b>Vapor density (Air = 1):</b> Data not available<br><b>Relative density (Specific gravity):</b> 1.933<br><b>Solubility(ies):</b> Soluble in water | <b>Partition coefficient:</b> Data not available<br><b>Auto-ignition temperature:</b> Data not available<br><b>Decomposition temperature:</b> Data not available<br><b>Viscosity:</b> Data not available<br><b>Molecular formula:</b> SrCl <sub>2</sub> ·6H <sub>2</sub> O<br><b>Molecular weight:</b> 266.62 |
|---|---|---|

## Section 10 Stability and reactivity

**Chemical stability:** Stable  
**Conditions to avoid:** Excessive temperatures and heat. Effloresces in air and deliquesces in moist air.

**Hazardous polymerization:** Will not occur.

**Incompatible materials:** None known.

**Hazardous decomposition products:** May release corrosive hydrogen chloride.

## Section 11 Toxicological information

**Acute toxicity:** Data not available  
**Skin corrosion/irritation:** Data not available  
**Serious eye damage/irritation:** Eyes-rabbit - Severe irritant.  
**Respiratory or skin sensitization:** Data not available  
**Germ cell mutagenicity:** Data not available  
**Carcinogenicity:** Data not available  
**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.  
**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.  
**Ca Prop 65:** This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.  
**Reproductive toxicity:** Data not available  
**STOT-single exposure:** Data not available  
**STOT-repeated exposure:** Data not available  
**Aspiration hazard:** Data not available  
**Potential health effects:**  
**Inhalation:** May cause irritation of the respiratory tract. Symptoms may include coughing and shortness of breath.  
**Ingestion:** Large oral doses may cause irritation of the gastrointestinal tract.  
**Skin:** May cause irritation with redness and pain.  
**Eyes:** May cause irritation with redness and pain.  
**Signs and symptoms of exposure:** Exercise appropriate procedures to minimize potential hazards.  
**Additional information:** RTECS #: WK8575000

## Section 12 Ecological information

**Toxicity to fish:** No data available  
**Toxicity to daphnia and other aquatic invertebrates:** No data available  
**Toxicity to algae:** No data available  
**Persistence and degradability:** No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**PBT and vPvB assessment:** No data available  
**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## Section 13 Disposal considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

## Section 14 Transport information

**UN/NA number:** Not applicable  
**Hazard class:** Not applicable  
**Exceptions:** Not applicable  
**Shipping name:** Not Regulated  
**Packing group:** Not applicable  
**2020 ERG Guide #** Not applicable  
**Reportable Quantity:** No  
**Marine pollutant:** No

## Section 15 Regulatory information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

| Component          | TSCA   | CERLCA (RQ) | RCRA code  | DSL    | NDSL       | CA Prop 65   |
|--------------------|--------|-------------|------------|--------|------------|--|
| Strontium chloride | Listed | Not listed  | Not listed | Listed | Not listed | This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. |

## Section 16 Other information

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. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.