



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Strontium chloride

30-2616

Section 1: Identification

Product Name Strontium chloride
Commercial Name Not available.
Product Use Research and product development
Restrictions On Use Not available.

Product Code 30-2616

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Serious Eye Damage/Eye Irritation Category 1 Specific target organ toxicity (single exposure) Category 3
CFR 1910.1200 Target Organs - Respiratory system
Signal Word DANGER

Hazard Statement(s) Causes serious eye damage.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area Wear protective gloves/protective clothing/eye protection/face protection
Response	IF INHALED: Remove person to fresh air and keep comfortable for breathing IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER/doctor
Storage	Store in a well-ventilated place. Keep container tightly closed Store locked up
Disposal	Dispose of contents/container to an approved waste disposal plant

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Strontium chloride
% By Weight 100
CAS# 10025-70-4
Molecular Weight 266.62 g/mole
Chemical Formula $\text{SrCl}_2 \cdot 6\text{H}_2\text{O}$
Synonym(s) Strontium dichloride, hexahydrate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
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Section 4: First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur
Symptoms/Effects	
Acute	None reasonably foreseeable. Causes severe eye damage
Delayed	None reasonably foreseeable. Causes severe eye damage
Immediate Medical Attention	
Treat symptomatically	

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Unsuitable Extinguishing Media

Not applicable.

Products of Combustion

Thermal decomposition can lead to release of irritating gases and vapors.

Firefighters Special Equipment and Precautions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section 6: Accidental Release Measures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

Environmental Precautions: Should not be released into the environment. Methods for Containment and Clean Up: Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal

Section 7: Handling and Storage

Handling: Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation. Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not applicable.
Engineering Controls	Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas. Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source
Personal Protection	Eye Protection Goggles Hand Protection Protective gloves Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.

Section 9: Physical and Chemical Properties

Appearance	Solid/White Powder		
Odor	Odorless		
Odor Threshold	Not applicable.		
Melting Point	115 °C / 239 °F	pH	5.0-7.0 5% aq.sol. (25°C)
Freezing Point	Not applicable.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available	Vapor Density	Not applicable.
Decomposition temperature	Not applicable.	Viscosity	Not applicable.
Partition Coefficient: n-octanol/water	Not applicable.	Evaporation Rate	Not applicable.
Flash Point	Not available	Autoignition temperature	Not applicable.
Flammability	Not applicable.	Flammability or Explosive Limits:	
		Lower	Not applicable.
		Upper	Not applicable.
Solubility(ies)	Not available		
Other	Molecular Formula Cl ₂ Sr . 6 H ₂ O Molecular Weight 266.62		

Section 10: Stability and Reactivity

Reactivity	Not applicable.
Chemical Stability	Stable under normal conditions
Hazardous Polymerization	Not applicable.
Conditions to Avoid	Incompatible products. Excess heat. Avoid dust formation
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors

Section 11: Toxicological Information

RTECS Not available

Acute Toxicity

LD50 Oral: 2250 mg/kg (Rat)

Skin Corrosion/Irritation

Not applicable.

Serious Eye Damage/Irritation

Risk of serious damage to eyes

Respiratory or Skin Sensitization

Not applicable.

Germ Cell Mutagenicity

Not applicable.

Carcinogenicity

Not applicable.

Reproductive Toxicity

Not applicable.

Routes of Entry

Eye.

Symptoms Related to Exposure

Not available



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Potential Health Effects

Not applicable.

Target Organ(s)

Respiratory system

Section 12: Ecological Information

Ecotoxicity

Do not empty into drains.

Persistence and Degradability

Soluble in water Persistence is unlikely based on information available

Bioaccumulative Potential

Not applicable.

Mobility in Soil

Will likely be mobile in the environment due to its water solubility

Other Adverse Effects

Not applicable.

Section 13: Disposal Considerations

Waste Disposal

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Disposal of Container

Not available.

Other Considerations

Not applicable.

Section 14: Transport Information

DOT Classification

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations

Not available.

Other

Not available

Section 16: Other Information

Not applicable.