



Safety Data Sheet

Revision: 2

Revision Date: 03/30/2020

1.) IDENTIFICATION

Product Name: Strontium Chloride, Hexahydrate
Product Number: S1024, CSS1024
Product Formula: $\text{SrCl}_2 \cdot 6\text{H}_2\text{O}$

Supplier: Rocky Mountain Reagents, Inc.
4621 Technology Drive
Golden, CO 80403

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Web: rmreagents.com

Emergency Phone: (800) 255-3924 (CHEM-TEL)

2.) HAZARDOUS IDENTIFICATION

Emergency Overview

OSHA Hazards

Irritant

Target Organs

GHS Classifications

GHS Label Elements, Including Precautionary Statements

Pictogram



Signal Word: Danger

Hazard Statement(s):

H318

Causes serious eye damage.

Precautionary Statement(s):

P280	Wear protective gloves/eye protection/face protection.
P305/P351/P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

HMIS Classification

Health Hazard	2
Flammability	0
Physical Hazards	0

NFPA Rating

Health Hazard	2
Fire	0
Reactivity Hazard	0

Potential Health Effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes eye irritation.
Ingestion	May be harmful if swallowed.

3.) INFORMATION ON INGREDIENTS

EINECS	PERCENT	CAS NO:
233-971-6	99-100%	10025-70-4

4.) FIRST AID MEASURES**Inhalation**

Remove to fresh air. Get medical attention for any breathing difficulty.

Skin Contact

Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical aid if irritation develops.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

Ingestion Contact

Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

Warning**5.) FIRE FIGHTING MEASURES****Extinguishing Media**

Dry chemical, foam, carbon dioxide, or water spray.

Special Fire Fighting Procedure

Not considered to be a fire hazard.

Fire and Explosion Hazards

Not considered to be an explosion hazard.

Hazardous Combustion Products

No information found.

Protective Measure in Fire

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6.) ACCIDENTAL RELEASE MEASURES**Personal Precaution in Spill**

Wear appropriate personal protective equipment as specified in Section 8.

Environment

Ventilate area of leak or spill.

Spill Clean Up

Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

7.) HANDLING AND STORAGE**Usage Precautions**

Avoid formation of dust and aerosols.

Usage Descriptions

Provide appropriate exhaust ventilation at places where dust is formed.

Storage Precautions

Keep container tightly closed in a dry area.

Handling Precautions

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for this product.

8.) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective Equipment

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Process Conditions

OSHA Permissible Exposure Limits (PEL): 15 mf/m³ total dust, 5 mg/m³ respirable fraction for nuisance dusts. -ACGIH Threshold Limit Value (TLV): 10 mg/m³ total dust containing no asbestos and <1% crystalline silica for Particulates Not Otherwise Classified (PNOC).

Respirators

If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator (NIOSH type N95 or better filters) may be worn for up to 10 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerin, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Protective Gloves

Wear protective gloves.

Eye Protection

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

Other Protection

Wear clean body-covering clothing.

Hygienic Work Practices

No information found.

9.) PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.)

White or colorless granules or crystals.

Odor

No data available.

Odor Threshold

No data available.

pH

5.0-7.0 @ 50 G/L @ 25°C (77°F)

Melting Point/Freezing Point

115°C (239°F) -lit.

Initial Boiling Point and Boiling Range

No data available.

Flash Point

Not applicable.

Evaporation Rate

No data available.

Flammability (solid, gas)

No data available.

Upper/Lower Flammability or Explosive Limits

No data available.

Vapor Pressure

No data available.

Vapor Density

No data available.

Relative Density

1.930 g/cm³

Solubility

No data available.

Partition Coefficient: N-Octanol/Water

No data available.

Auto-Ignition Temperature

No data available.

Decomposition Temperature

Not applicable.

Viscosity

No data available.

Specific Gravity

No data available.

10.) STABILITY AND REACTIVITY

Stability

Stable under ordinary conditions of use and storage.

Hazardous Decomp Products

Oxides of the contained metal and halogen, possibly also free, or ionic halogen.

Conditions to Avoid

No information found.

11.) TOXICOLOGICAL INFORMATION

Toxic Dose LD 50

Intraperitoneal - mouse - 1253 mg/kg

Toxicological Info

Investigated as a mutagen.

Inhalation

No data available.

Skin

Rabbit - No skin irritation.

Eyes

Rabbit - severe eye irritation.

Medical Symptoms

Vomiting, diarrhea, abdominal pain.

12.) ECOLOGICAL INFORMATION**Toxicity**

No information found.

Distribution

No information found.

Chemical Fate

No information found.

13.) DISPOSAL CONSIDERATIONS**Disposal Methods**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance to federal, state and local requirements.

General Cleaning**14.) TRANSPORTATION INFORMATION****DOT-GROUND TRANSPORTATION****Proper Shipping Name**

Not regulated.

Hazard Class

Not regulated.

UN Number

Not regulated.

Packing Group

Not regulated.

IATA/IMDG REGULATIONS**Proper Shipping Name**

Not regulated.

Hazard Class

Not regulated.

UN Number

Not regulated.

Packing Group

Not regulated.

IMDG EMS

Not regulated.

Shipping Options for this Product Include:

UPS, FedEx, Air, Ground, Water, Rail.

Transportation Notes:

NMFC 43940-2 -- CLASS 85 HST 2827.39.90

15.) REGULATORY INFORMATION

CHEMICAL INVENTORY STATUS - PART 1						
Ingredient	CASNO	TSCA	EINECS	China	Japan	Australia
Strontium Chloride, Hexahydrate	10025-70-4	No	No	No	No	No
CHEMICAL INVENTORY STATUS - PART 2						
Ingredient	CASNO	Korea	DSL	RCRA	TCSI	SARA 311/312
Strontium Chloride, Hexahydrate	10025-70-4	No	No	No	No	No
FEDERAL, STATE, INTERNATIONAL REGULATIONS - Part 1						
Ingredient	CASNO	PROP65	NJ	PA	MA	SARA313
Strontium Chloride, Hexahydrate	10025-70-4	No	No	No	No	No
SARA 313						
No information found.						
FEDERAL, STATE, INTERNATIONAL REGULATIONS - Part 2						
Ingredient	CASNO	RCRA 261.33		TSCA 8(d)		CERCLA
Strontium Chloride, Hexahydrate	10025-70-4	No		No		No
ADDITIONAL ITEMS						
Chemical Weapons Convention	Acute	TSCA 12(b)	CDTA	SARA 311/312	Reactivity	Chronic
No	Yes	No	No	No	No	No
Fire	Pressure	Australian HazChem Code			Poison Schedule	WHMIS

No	No	No	No	No
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16.) MISC. INFORMATION

Information Sources

Revision Comments

Revised November 2012 for GHS Standards. Updated 2-19-2015. Revised February 2014 to align with internal document control. CAS number corrected 05.24.16. Entered in new database 09.05.18. Updated 06/13/2019 for regulatory information and spelling errors.

Other Information

17.) DISCLAIMER

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