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**MATERIAL SAFETY DATA SHEET**

**SUPPLIER: PRODUITS CHIMIQUES ACP CHEMICALS INC.**

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1. Product and Company Identification

NAME OF PRODUCT: STRONTIUM CHLORIDE

Synonyms: Strontium chloride, hexahydrate  
CAS No: 10476-85-4 Anhydrous; (10025-70-4 Hexahydrate)  
Molecular Weight: 267  
Chemical Formula: SrCl<sub>2</sub>.6H<sub>2</sub>O

SUPPLIER/MANUFACTURER & PREPARATOR :

Produits Chimiques ACP Chemicals, Inc.  
4601 boulevard des Grandes-Prairies  
St-Léonard, QC H1R 1A5  
514-327-0323

DATE OF MSDS: 08/02/2018

EMERGENCY TELEPHONE NO.: (613) 996-6666 (CANUTEC)

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Strontium Chloride	10476-85-4	99 - 100%	Yes

3. Hazards Identification

Emergency Overview

CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 1 - Slight  
Flammability Rating: 0 - None  
Reactivity Rating: 1 - Slight  
Contact Rating: 2 - Moderate  
Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES  
Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:  
May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.

**Ingestion:**

Large oral doses may cause irritation to the gastrointestinal tract.

**Skin Contact:**

May cause irritation with redness and pain.

**Eye Contact:**

May cause irritation, redness and pain.

**Chronic Exposure:**

No adverse health effects expected.

**Aggravation of Pre-existing Conditions:**

Persons with impaired kidney function may be more susceptible to the effects of the substance.

#### 4. First Aid Measures

**Inhalation:**

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

**Ingestion:**

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

**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 attention 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.

#### 5. Fire Fighting Measures

**Fire:**

Not considered to be a fire hazard.

**Explosion:**

Not considered to be an explosion hazard.

**Fire Extinguishing Media:**

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

**Special Information:**

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

## 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

## 7. Handling and Storage

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 the product.

## 8. Exposure Controls/Personal Protection

Airborne Exposure Limits:  
None established.

### Ventilation System:

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.

### Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, 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 positive-pressure, air-supplied respirator.

**WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

### Skin Protection:

Wear protective gloves and clean body-covering clothing.

### Eye Protection:

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

## 9. Physical and Chemical Properties

Appearance: Boiling Point:  
White granular or colorless Not applicable.  
crystals

Odor: Melting Point:  
Odorless. Loses 6 waters @ 150C (302F);  
Anhydrous melts @ 868C (1594F).

Solubility: Vapor Density (Air=1):  
Soluble in water. No information found.

Density: Vapor Pressure (mm Hg):  
1.96 No information found.

pH: Evaporation Rate (BuAc=1):  
No information found. No information found.

% Volatiles by volume @ 21C (70F):  
0

#### 10. Stability and Reactivity

Stability:  
Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:  
Oxides of the contained metal and halogen, possibly also free, or ionic  
halogen.

Hazardous Polymerization:  
This substance does not polymerize.

Incompatibilities:  
Strong oxidizing agents.

Conditions to Avoid:  
No information found.

#### 11. Toxicological Information

Oral rat LD50: 2250 mg/kg. Investigated as a mutagen.

-----\Cancer Lists\-----  
---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Strontium Chloride (10476-85-4)	No	No	None

#### 12. Ecological Information

Environmental Fate:  
No information found.

Environmental Toxicity:  
No information found.

### 13. Disposal Considerations

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 with federal, state and local requirements.

### 14. Transport Information

Not regulated.

### 15. Regulatory Information

-----\Chemical Inventory Status - Part 1\-----  
Ingredient TSCA EC Japan Australia  
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Strontium Chloride (10476-85-4) Yes Yes Yes Yes

-----\Chemical Inventory Status - Part 2\-----  
--Canada--  
Ingredient Korea DSL NDSL Phil.  
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Strontium Chloride (10476-85-4) Yes Yes No Yes

-----\Federal, State & International Regulations - Part 1\-----  
-SARA 302- -----SARA 313-----  
Ingredient RQ TPQ List Chemical Catg.  
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Strontium Chloride (10476-85-4) No No No No

-----\Federal, State & International Regulations - Part 2\-----  
-RCRA- -TSCA-  
Ingredient CERCLA 261.33 8(d)  
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Strontium Chloride (10476-85-4) No No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No  
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No  
Reactivity: No (Mixture / Solid)

Australian Hazchem Code: None allocated.  
Poison Schedule: None allocated.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. Other Information

### NFPA Ratings:

Health: 1 Flammability: 0 Reactivity: 0

### Label Hazard Warning:

CAUTION! MAY BE HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

### Label Precautions:

Avoid contact with eyes, skin and clothing.  
Wash thoroughly after handling.  
Avoid breathing dust.  
Keep container closed.  
Use with adequate ventilation.

### Label First Aid:

If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

### Product Use:

Laboratory Reagent.

### Revision Information:

MSDS Section(s) changed since last revision of document include: 3.

### Disclaimer:

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