1. Identification

GHS Product Identifier

Company Name: CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)
Address: 38 - 50 Bedford Street GILLMAN SA 5013 Australia
Telephone/Fax Number: Tel: (08) 8440-2000 Fax: (08) 8440-2001

STRONTIUM CHLORIDE

Recommended use of the chemical and restrictions on use
Strontium salts, pyrotechnics, electron tubes, toothpaste, analytical reagent and laboratory reagent.

Name | Product Code
--- | ---
STRONTIUM CHLORIDE Hexahydrate LR | SL062
STRONTIUM CHLORIDE Hexahydrate AR | SA062

Other Information
Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture
Acute Toxicity - Oral: Category 4

Signal Word(s) | Hazard Statement(s) | Pictogram(s)
--- | --- | ---
WARNING | Harmful if swallowed. | Exclamation mark

Precautionary statement – Prevention
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.

Precautionary statement – Swallowed
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.

Precautionary statement – Disposal
P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Chemical Characterization

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
<th>Hazard Symbol</th>
<th>Risk Phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strontium Chloride Hexahydrate</td>
<td>10025-70-4</td>
<td>100 %</td>
<td>Xn</td>
<td>R22</td>
</tr>
</tbody>
</table>
4. First-aid measures

**Inhalation**
If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Ingestion**
Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

**Skin**
Wash with plenty of soap and water. If irritation occurs seek medical advice.

**Eye contact**
Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the chemical is removed, while holding the eyelid(s) open. If rapid recovery does not occur, obtain medical attention.

**First Aid Facilities**
Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor**
Treat symptomatically based on judgement of doctor and individual reactions of the patient. For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

**Hazard from Combustion Products**
Toxic fumes, hydrogen chloride gas, hydrochloric acid, oxides of strontium and chlorine, chlorine, possibly also free, or ionic chloride, halogenated compounds.

**Specific Methods**
Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media.

Small fire: Use dry chemical, CO2, water spray or foam.

Large fire: Use water spray, fog or foam.

If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.

**Decomposition Temp. Precautions in connection with Fire**
Loses 6 H2O @ 150 °C.
Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

**Personal Precautions**
Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

**Personal Protection**
Wear protective clothing specified for normal operations (see Section 8)

**Clean-up Methods - Small Spillages**
Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.

7. Handling and storage

**Precautions for Safe Handling**
Avoid ingestion and inhalation of vapours or dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Ensure good ventilation at the workplace. Use with adequate ventilation. Minimize dust generation and accumulation. If ingested, seek medical advice immediately and show the container or the label. In case of insufficient ventilation, wear suitable respiratory equipment. Wear suitable protective clothing. Wash thoroughly after handling. 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.

**Conditions for safe storage, including any incompatibilities**
Store in a tightly closed container, in a cool, dry, ventilated area away from incompatible substances. Store away from oxidizing agents. Keep well closed and protected from direct sunlight and moisture. Keep away from heat, flame and all sources of ignition. Protect against physical damage. 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.

**Storage Temperatures**
Store at room temperature (15 to 25 °C recommended).

8. Exposure controls/personal protection

**Other Exposure Information**
A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m³ for dusts when limits have not otherwise been established.

**Appropriate engineering controls**
In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other...
Respiratory Protection
Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

Eye Protection
The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate.

Hand Protection
Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.

Personal Protective Equipment
Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

Footwear
Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

Body Protection
Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hygiene Measures
Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties
Form: Solid
Appearance: White or colourless crystals or granules.
Odour: Odourless.
Decomposition: Loses 6 H2O @ 150 °C.
Melting Point: ~ 61 °C; 872 °C (anhydrous).
Solubility in Water: Soluble in water(125 g/100 ml).
Specific Gravity: 1.964
pH: 5.0 - 7.0 (50 g/l, 25 °C); neutral in solution.
Volatile Component: 0 %vol @ 21 °C
Flammability: Non combustible material.
Molecular Weight: 266.61
Other Information: Sharp, bitter taste.

10. Stability and reactivity
Chemical Stability: Stable under ordinary conditions of use and storage.
Incompatible Materials: 2-Furan percarboxylic acid, oxidizing agents.
Hydrogen chloride gas, hydrochloric acid, oxides of strontium and chlorine, chlorine, possibly also free, or ionic chloride, halogenated compounds.
Decomposition Products: Will not occur.

11. Toxicological Information
Toxicology Information: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptom or effects may occur.
Acute Toxicity - Oral: LD50 (rat): 1796 mg/kg (anhydrous substance);
Ingestion: Large oral doses may cause irritation to the gastrointestinal tract, with nausea, vomiting, diarrhea, acidosis, slight headache, and malaise lasting for several days; painful contractions in limbs and bone
STRONTIUM CHLORIDE

 Classified as hazardous

Deformities.
Inhalation May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.
Skin May cause irritation, with redness and pain.
Eye Causes burns to the eyes. May cause irritation, redness and pain.
Carcinogenicity Not listed in the IARC Monographs.
Reproductive Adverse reproductive effects have occurred in experimental animals.
Toxicity Chronic Effects Prolonged or repeated exposure may cause painful contractions in limbs and bone deformities.
Serious eye damage/irritation Prolonged or repeated exposure may cause adverse reproductive effects.
Mutagenicity No evidence of mutagenic properties.

12. Ecological information

Ecological Information No ecological problems are to be expected when the product is handled and used with due care and attention.
Ecotoxicity Quantitative data on the ecological effect of this product are not available.
Environmental Protection Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

Disposal Considerations Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

14. Transport information

Transport Information Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Regulatory Information Listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule Not Scheduled

16. Other Information

Literature References 'Standard for the Uniform Scheduling of Medicines and Poisons No. 6', Commonwealth of Australia, February 2015.
Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.
Safe Work Australia, 'Hazardous Substances Information System, 2005'.
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.

Contact Person/Point Paul McCarthy Ph. (08) 8440 2000

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STRONTIUM CHLORIDE

Classified as hazardous

Empirical Formula & Structural Formula:
SrCl₂·6H₂O

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