



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : S 14325
Product Name : STRONTIUM CHLORIDE L.R.

Manufacturer/supplier identification
Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No : 10025-70-4 Ec-Index No. :
Molar Mass : 266-62 EC-No. : 233-971-6
Molecular Formula : $\text{Cl}_2\text{Sr}\cdot 6\text{H}_2\text{O}$

3. HAZARDS IDENTIFICATION

According to the evaluative data are available, a classification according to categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country concerned is not required.

4. FIRST AID MEASURES

After skin contact : Wash off with plenty of water.
Remove contaminated clothing.

After eye contact : Rinse out with plenty of water.

After inhalation : Fresh air.

After swallowing: Make victim drink plenty of water, induce vomiting.
Summon Doctor.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media :
In adaption to materials stored in the immediate neighbourhood.

Special risks : Development of hazardous combustion gases or vapours
possible in the event of fire.

The following may develop in event of fire :

Hydrochloric acid, Chlorine

Other information : Non-combustible.

6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures : Avoid generation of dusts; do not inhale dusts.



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Procedures for cleaning/absorption : Take up dry. Forward for disposal
Clean up affected area.

7. HANDLING AND STORAGE

Handling : No further requirements.
Storage : Tightly closed. Dry.
Storage temperature : No restrictions.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.
Eye Protection : Required
Hand Protection : Required
Industrial hygiene : Change contaminated clothing.
Wash hands after working with substance.

9. PHYSICAL & CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	White
Odour	:	Odourless
pH value at 50 g/l H ₂ O (20° C)	:	~ 5 - 7
Melting temperature	:	~ 61° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash Point	:	Not applicable
Explosion limit lower	:	Not available
upper	:	Not available
Relative vapour density	:	Not available
Density (20° C)	:	1.95 g/cm ³
Bulk density	:	~ 1050 Kg/m ³
Solubility in Water (0° C)	:	1062 gm/l
Water (40° C)	:	2058 gm/l

10. STABILITY & REACTIVITY

Conditions to be avoided : Strong heating
Substances to be avoided : No information available
Hazardous decomposition products : In the event fire :
Hydrochloric acid, Chlorine

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀ (oral, rat) : 2250 mg/Kg (anhydrous substance)
Further toxicological Information : We have no description of any toxic symptoms. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.



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Since the substance is poorly absorbed, no hazardous properties are to be anticipated. The following applies to strontium compounds in general : only slightly absorbable via the gastrointestinal tract.

Further Data : The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxic effects :

Quantitative data on the ecological effect of this product are not available.

Biological effects : Toxic for aquatic organisms.

Protozoa : LC₅₀ : >200 mg/l.

Further ecological data : The following applies to strontium compounds in general : toxic for aquatic organisms: fish : Salmo toxic from 1mg/l up: lethal from 1500 mg/l up in 2 weeks, from 10g/l up in 1 day; nourishment for fish : toxic from 3500 mg/l (values calculated as Sr.)

No ecological problems are to be expected when the product is handled and used with due care and attention.

11. DISPOSAL METHOD

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION

Not subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives



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Symbol : ---
R-phrases : ---
S-phrases : ---

Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

Reason for alteration

Addition of water pollution class

General update

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.