



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : S 14429
Product Name : STRONTIUM NITRATE

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 : 10042-76-9 EC Index No. : 117-012-00-7
Molar mass : ----
Molecular Formula : N_2O_6Sr EC –No. : 233-131-9

3. HAZARDS IDENTIFICATION

Contact with combustible material may cause fire.

3. FIRST AID MEASURES

After skin contact : Wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with plenty of water with the eyelid held wide open.
After inhalation : Fresh air.
After swallowing : Make victim drink plenty of water, induce vomiting,
Summon doctor

4. FIRE – FIGHTING MEASURES

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

Special risks : Fire – promoting .Keep away from combustible materials .
Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire: nitrous gases.

Other information : Non- combustible . Contain escaping vapours with water.

5. ACCIDENTAL RELEASE MEASURES

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

Environmental- protection measures: Do not allow to enter sewerage system.

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

6. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry. Away from combustible substances.
Keep away from sources of ignition and heat. At +15°C to + 25°C.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid
Colour : White
Odour : Odourless
pH value at 50g/lH₂O (20°C) : Near 5-7
Melting temperature : 570 ° C
Boiling temperature : Not available
Ignition temperature : Not available
Flash point : Not available
Explosion limits lower : Not available
Upper : Not available
Relative vapour density : Not available
Density (20°C) : 2.98 g/cm³
Bulk density : Near 1300 kg/m³
Solubility in water (20°C) : 660 g/l
Water (90°C) : 1000 g/l : -

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.
Substance to be avoided : Combustible substances, metals in powder form, sulfur.
Hazardous decomposition :products : Nitrous gases.
Further information : Polymerizable.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD₅₀ (oral, rat): 2750 mg/kg.
After swallowing of large amounts : nausea, vomiting.
Further data: Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxic effects: Biological effects : No special data.
Further ecologic data : The following applies to strontium compounds in general :
toxic for aquatic organisms : Fish : Salmotoxic from 1 mg/l up ; lethal from
1500 mg/l up in 2 weeks, from 10 g/l up in 1 day; nourishment for fish : toxic from
3500mg/l up (values calculated as Sr). The following applies to nitrates in general :
may contribute to the eutrophication of water supplies. Hazard for drinking water.



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Fish: LC₅₀ > 500 mg/l. Do not allow to enter waters, waste water, or soil

13. 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

GGVS/GGVE class : 5.1 Number and letter : 22 c
Transport over land ADR/RID class : 5.1 Number and letter : 22 c
ADR/RID & GGVS/GGVE Name of material : 1507 STRONTIUM NITRAT

Sea transport IMDG : IMDG class : 5.1 UN-NO. : 1507 Packaging group : 111
Ems : 5.1-06 MFAG : 4.2
Correct technical name : STRONTIUM NITRATE

Air transport : ICAO/IATA : 5.1 UN/ID-No. : 1507 Packaging group : 111
ICAO-TI & IATA-DGR Correct technical name : STRONTIUM NITRATE

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : O Oxidizing.

R- Phrases : 8 Contact with combustible material may cause fire.
Contact with acids liberates toxic gas. Causes burns.

S-phrases : -----
EC-No. : -----

Water pollution class : 1 (slightly polluting substance) (own classification)

16. OTHER INFORMATION

Reason for alteration
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.