

1. Product and Company Identification

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Product Name

STRONTIUM NITRATE

Part Number

RXSOL-98-3390-050

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

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2. Composition / Information on ingredients

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Chemical Name	Cas No	EC No	Weight	Formula
STRONTIUM NITRATE	10042-76-9	233-131-9		

3. Hazards Identification

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Signal Word

Danger

Hazard Statements

H271, H318 , May cause fire or explosion; strong oxidiser

Precautionary statements

Causes serious eye damage

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking

Classification of the substance or mixture

P280 Wear protective gloves/eye protection

Precautionary statements - response

No data available

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing

Supplemental Hazard Statements

P310 Immediately call a POISON CENTER/doctor

Other hazards

No data available

Results of PBT and vPvB assessment

Endocrine disrupting properties

According to the results of its assessment, this substance is not a PBT or a vPvB.

No data available

4. First Aid Measures

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General advice

Take off contaminated clothing.

If inhaled	No data available
Eye Contact	In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
Swallowed	No data available
Skin Contact	Rinse skin with water/shower. In all cases of doubt, or when symptoms persist, seek medical advice
Inhalation	Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice
Ingestion	Rinse mouth. Call a doctor if you feel unwell.
Most important symptoms and effects, Symptoms/injuries after inhalation	Risk of blindness, Risk of serious damage to eyes
Symptoms/injuries after skin contact	No data available
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

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Flammability	No data available
Suitable extinguishing media	co-ordinate firefighting measures to the fire surroundings!
Unsuitable extinguishing media	water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder
Special hazards arising from the substance or mixture	water jet
Further information	No data available
Hazardous combustion products	No data available
Advice for firefighters	In case of fire may be liberated: Nitrogen oxides (NOx)
Protection during firefighting	In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.
Protective Equipment	No data available
Specific Hazards Arising from the Chemical	No data available
Reactivity	Not flammable.
	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	No data available
Spillage	No data available
For non-emergency personnel	Use personal protective equipment as required. Avoid contact with skin, eyes and clothes. Do not breathe dust.
Protective equipment :	No data available
Emergency procedures :	No data available
Personal Protection	No data available
Enviromental Precaution	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.
Methods and materials for containment and cleaning	Covering of drains. Take up mechanically.
	Take up mechanically. Control of dust.
	Place in appropriate containers for disposal.
Reference to other sections	

Protective equipment :

Other information

No data available

No data available

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion

Incompatible materials

Hygiene measures

Technical measures :

Advice on safe handling

Conditions for safe storage, including any incompatibilities

Incompatible substances or mixtures

No data available

Strong oxidizers.

Removal of dust deposits. Keep away from combustible material.

No data available

Avoid dust formation.

No data available

Observe hints for combined storage. Incompatible materials: see section 10. Keep/store away from

clothing/combustible materials. Take any precaution to avoid mixing with combustibles

Store in a dry place.

Recommended storage temperature: 15?25 °C

No data available

Wash hands before breaks and after work. Keep away from food, drink and animal feedingsuffs.

Storage conditions

Storage class

Specific end use(s)

Advice on general occupational hygiene

8. Exposure controls and personal protection

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Personal protective equipment :

Exposure controls

Materials for protective clothing :

other protection measures

No data available

No data available

No data available

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is

recommended

No data available

Use safety goggle with side protection

No data available

Wear suitable protective clothing.

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves

mentioned above together with the supplier of these gloves. The times are approximate values from

measurements at 22 ° C and permanent contact. Increased temperatures due to heated substances,

body heat etc.

Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P1 (filters at

least 80 % of airborne particles, colour code: White).

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is

Respiratory protection

Other Protection Measure

9. Physical and chemical properties

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Physical state	solid
Colour	White
Odour	Odorless
Form	powder, crystalline Form
Odor Threshold	No data available
pH	6,7 (in aqueous solution: 10 g/l, 20 °C) (ECHA)
Melting Point	570 °C
Boiling Point	645 °C at 1.013 hPa
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	No data available
Viscosity	No data available
Density	2,986 g /cm ³ at 20 °C
Relative Density	not relevant (solid)
Specific Gravity	No data available
Bulk density	~1.000 kg/m ³
Partition coefficient	No data available
Explosive properties	No data available
Solubility	660 g/l at 20 °C
Ignition temperature	No data available
Particle characteristics	No data available
Molecular mass	No data available

10. Stability and reactivity

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Reactivity	It's a reactive substance. Oxidising property.
Chemical stability	The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous reactions	Violent reaction with: Magnesium-Powder, Metal powder, PVC: polyvinyl chloride, Sulphur, Danger of explosion: Combustible materials, Reducing agents, Acetic anhydride, Heat, Hydrides
Conditions to avoid	There are no specific conditions known which have to be avoided.
Incompatible materials	combustible materials, PVC: polyvinyl chloride
Hazardous product decomposition	Hazardous combustion products: see section 5.

11. Toxicological information

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Acute toxicity	Shall not be classified as acutely toxic.
Skin corrosion/irritation	GHS of the United Nations, annex 4. May be harmful if swallowed.
Serious eye damage/irritation	Shall not be classified as corrosive/irritant to skin
Respiratory or skin sensitization	Causes serious eye damage.
Carcinogenicity	Shall not be classified as a respiratory or skin sensitiser.
Germ cell mutagenicity	Shall not be classified as carcinogenic.
Reproductive toxicity	Shall not be classified as germ cell mutagenic
Specific target organ toxicity- single exposure	Shall not be classified as a reproductive toxicant.
Symptoms/injuries after inhalation	No data available
Symptoms/injuries after skin contact :	Inhalation of dust may cause irritation of the respiratory system
Symptoms/injuries after eye contact :	Irritating to skin
Additional Information	Causes serious eye damage, risk of blindness
	No data available

12. Ecological information

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Ecology - general :	No data available
Persistence and degradability	No data available
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	Shall not be classified as hazardous to the aquatic environment
Toxicity to bacteria	No data available
Toxicity to algae	No data available
Products Biodegradation	No data available
Mobility in soil	No data available
Results of PBT av PvB assessment	No data available
Endocrine disrupting properties	Does not contain an endocrine disruptor (ED) at a concentration of ? 0,1%
Other adverse effects	No known ecological damage caused by this product.

13. Disposal considerations

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Product	No data available
Contaminated packaging	It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled
Waste treatment Method	This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.
Relevant provisions relating to waste	The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

14. Transport information

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UN number	ADR/RID:- UN 1507 IMDG:- UN 1507 IATA:-UN1507
UN proper shipping name	ADR/RID: Strontium NitrateIMDG:Not Strontium Nitrate IATA:NotStrontium Nitrate
Transport hazard classess	ADR/RID:- 5.1 IMDG:- 5.1 IATA:- 5.1
Packaging group	ADR/RID:- III IMDG:- III IATA:-III
Environmental hazards	ADR/RID: non-environmentally hazardous acc. to the dangerous goods regulations IMDG Marine pollutant:Yes IATA: No
Special precautions for user	Provisions for dangerous goods (ADR) should be complied within the premises.
Further information	Proper shipping name STRONTIUM NITRATE Particulars in the transport document UN1507, STRONTIUM NITRATE, 5.1, III, (E) Classification code O2 Danger label(s) 5.1 Excepted quantities (EQ) E1 Limited quantities (LQ) 5 kg Transport category (TC) 3 Tunnel restriction code (TR)

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the STRONTIUM NITRATE substance or mixture

Substances which contribute to

eutrophication (in particular, nitrates and phosphates

Other regulations

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers

Chemical Safety Assessment

No data available

16. Other information

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Other Information :

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.