Material Safety Data Sheet

STRONTIUM NITRATE (RXSOL-98-3390-050)

1. Product and Company Identifaction

Porduct Name	STRONTIUM NITRATE
Part Number	RXSOL-98-3390-050

acCompany Details:

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

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2. Composition / informationon ingredients

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

3. Hazards Identification

Signal Word	Danger
Hazard Statements	H271, H318 , May cause fire or explosion; strong oxidiser Causes serious eye damage
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P280 Wear protective gloves/eye protection
Classification of the substance or mixture	No data available
Precautionary statements - response	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P310 Immediately call a POISON CENTER/doctor
Supplemental Hazard Statements	No data available
Other hazards	Results of PBT and vPvB assessment According to the results of its assessment, this substance is not a PBT or a vPvB.
Endocrine disrupting properties	No data available

4. First Aid Measures

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

Flammability	No data available
Suitable extinguishing media	co-ordinate firefighting measures to the fire surroundings! water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder
Unsuitable extinguishing media	water jet
Special hazards arising from the substance or mixture	No data available
Further information	No data available
Hazardous combustion products	In case of fire may be liberated: Nitrogen oxides (NOx)
Advice for firefighters	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.
Protection during firefighting	No data available
Protective Equipment	No data available
Specific Hazards Arising from the Chemical	Not flammable.
Reactivity	No data available

6. Accidental Release Measures

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	No data available
Protective equipment :	No data available
Other information	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

Advice on protection against fire and explosion	No data available
Incompatible materials	Strong oxidizers.
Hygiene measures	Removal of dust deposits. Keep away from combustible material.
Technical measures :	No data available
Advice on safe handling	Avoid dust formation.

Conditions for safe storage, including any incompatibilities	No data available
Incompatible substances or mixtures	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
Storage conditions	Store in a dry place.
Storage class	Recommended storage temperature: 15?–?25 °C
Specific end use(s)	No data available
Advice on general occupational hygiene	Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

8. Exposure controls and personal protection

Personal protective equipment :	No data available
Exposure controls	No data available
Materials for protective clothing :	No data available
other protection measures	Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended
Engineering Control	No data available
Eye/face protection	Use safety goggle with side protection
Body Protection	No data available
Skin protection	Wear suitable protective clothing.
Hand protection	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	Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P1 (filters at least 80 % of airborne particles, colour code: White).
Other Protection Measure	Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended
Environmental exposure controls	Keep away from drains, surface and ground water

9. Physical and chemical properties

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 /cm³ at 20 °C

Relative Density	not relevant (solid)
Specific Gravity	No data available
Bulk density	~1.000 kg/m³
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

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.
Possibilityof 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 dicomposition	Hazardous combustion products: see section 5.

11. Toxicological information

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

12. Ecological information

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

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

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

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

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.