1. Product and Company Identifaction

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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

Branch: Kandla, Mumbai, Chennai, Vizag, Kolkata, UAE, OMAN, CANADA and KENYA

Phone +91 22 20871200 - 1400

Fax +91 22 27612100 :::AOH :0091 9821214367

Email mail@rxmarine.com
Website www.rxmraine.com

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

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

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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

oph thal mologist.

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

Symptoms/injuries after 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 No data available

needed

5. Fire-fighting Measures

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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 In case of fire may be liberated: Nitrogen oxides (NOx)

products

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

Protective Equipment

Specific Hazards Arising from the Chemical

Reactivity

No data available

Not flammable.

No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Spillage

No data available 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

Environmental Precaution Keep away from drains, surface and ground water. Retain contaminated

washing water and dispose of it.

Methods and materials for Covering of drains. Take up mechanically.

containment and cleaning

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

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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?12?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

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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 $^{\circ}$ 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

Keep away from drains, surface and ground water

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

645 °C at 1.013 hPa **Boiling Point** 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 No data available Vapour pressure Viscosity No data available 2,986 g /cm3 at 20 °C Density Relative Density not relevant (solid) Specific Gravity No data available $\sim 1.000 \text{ kg/m}^3$ Bulk density Partition coefficient No data available Explosive properties No data available Solubility 660 g/l at 20 °C

10. Stability and reactivity

Ignition temperature

Molecular mass

Particle characteristics

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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

No data available

No data available

No data available

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

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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

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Ecology - general: No data available

Persistence and degradability

Toxicity to fish

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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ADR/RID:- UN 1507 IMDG:- UN 1507 IATA:-UN1507 UN number

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

ADR/RID:- III IMDG:- III IATA:-III Packaging group

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.

Proper shipping name STRONTIUM NITRATE Further information

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.