Material Safety Data Sheet

STRONTIUM NITRATE ANHYDROUS LR (RXSOL-60-6605-616)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-616
Product Type	STRONTIUM NITRATE ANHYDROUS LR
Revised date	

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

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2. Composition / informationon ingredients

Substance / Preparation: STRONTIUM NITRATE EXTRA PURE ANHYDROUS LR
CAS No :10042-76-9
Substance.
Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

3.1. Classification of the substance or mixture
Classification EC 67/548 or EC 1999/45
Classification : Xn; R22 Xi; R36/37/38
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008
(CLP) Health hazards : Acute toxicity, Oral H302
3.2. Label elements
Labelling EC 67/548 or EC 1999/45
Symbol(s) : O : Oxidizing Xn : Harmful
R Phrase(s)Ca tegory 4Warning (CLP : Acute Tox. 4) : R22 : Harmful if swallowed.
R36/37/38 : Irritating to eyes, respiratory system and skin.
S Phrase(s and seek) : S26 : In case of contact with eyes, rinse
immediately with plenty of water medical advice.
Labelling Regulation EC 1272/2008 (CLP)
Hazard pictograms

Signal words: Warning
Hazard statements: H302 : Harmful if swallowed.Precautionary statements
• Prevention: P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
• Response: P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if youfeelunwell.
• Disposal considerations: P501: Dispose of this material and its container to hazardousor
special wastecollection point, in accordance with local, regional, national and/orinternationalregulation.
3.3. Other hazards
Other hazards: The substance does not fulfil the criteria to be identified as PBT
substance or vPvBsubstance according to Annex XIII of Regulation REACH.

4. First Aid Measures

4.1. Description of first aid measures
Inhalation: Assure fresh air breathing.Allow the victim to rest.
Skin contact: Remove affected clothing and wash all exposed
skin areawith mild soapandwater, followed by warm water rinse.

Eye contact: Rinse immediately with plenty of water.
Obtain medical attention if pain,blinking orredness persist.
Ingestion: Obtain emergency medical attention. Do NOT induce vomiting.
Rinse mouth.Call aPOISON CENTER or doctor if you feel unwell.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms relating to use: Swallowing a small quantity of this material will result inserious health hazard.
4.3. Indication of any immediate medical attention and special treatment needed
General information: Never give anything by mouth to an unconscious person.
If youfeel unwell, seekmedical advice (show the label where possible).

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media: Do not use a heavy water stream.
Surrounding fires: Use water spray or fog for cooling exposed containers.
5.2. Special hazards arising fromthe substance or mixture
Hazardous combustion products: Under fire conditions, hazardous fumes will bepresent.
5.3. Advice for fire-fighters
Protection against fire: Do not enter fire area without proper protective equipment
,including respiratoryprotection.
Special procedures: Exercise caution when fighting any chemical fire.
Avoid (reject)fire-fighting water toenter environment.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
For emergency responders: Equip cleanup crew with proper protection.Ventilate area.
For non-emergency personnel: Evacuate unnecessary personnel.
6.2. Environmental precautions
Environmental precautions: Prevent entry to sewers and public waters.
Notifyauthorities ifproduct enterssewers or public waters.
6.3. Methods and material for containment and cleaning up
Clean up methods: On land, sweep or shovel into suitable containers.
Minimizegeneration of dust.Store away from other materials.
6.4. Reference to other sections
See section 8. Exposure controls/personal protection

7. Handling and Storage

7.1. Precautions for safe handling
Handling: Do not eat, drink or smoke when using this product. Wash thoroughly afterhandling.
Technical protective measures: Provide good ventilation in process area to preventformation of vapour.
7.2. Conditions for safe storage, including any incompatibilities
Storage: Keep only in the original container in a cool, well ventilated place.
Keepcontainerclosed when not in use.
Storage-away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.
7.3. Specific end use(s)
Specific end use(s): None.

8. Exposure controls and personal protection

8.1. Exposure controls
Personal protection: Avoid all unnecessary exposure.
• Respiratory protection: Wear approved mask.
• Hand protection: Wear protective gloves.
• Eye protection: Chemical goggles or safety glasses.
• Others: When using, do not eat, drink or smoke
8.2. Control parameters
Occupational Exposure Limits: No dataavailable.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state at 20 °C: Solid.
Odour threshold: No data available.

pH value: Not applicable.
Melting point [°C]: 570 °C
Decomposition point [°C]: N/A
Critical temperature [°C]: N/A
Auto-ignition temperature [°C]: N/A
Flammability (solid, gas): N/A
Flash point [°C]: N/A
Boiling point [°C]: N/A
Initial boiling point [°C]: N/A
Final boiling point [°C]: N/A
Evaporation rate: N/A
Vapour pressure [20°C]: N/A
Vapour pressure mm/Hg: N/A
Vapour density: N/A
Density [g/cm3]: 2,98
Relative density, gas (air=1): N/A
Relative density, liquid (water=1): N/A
Solubility in water [% weight]: 71 g/100 ml water at
Solubility in water: N/A
Log Pow octanol / water at 20°C: No data available.
Solubility: 5.0-7.0
Viscosity at 40°C [mm2/s]: N/A
9.2. Other information
Explosive properties: N/A
Explosion limits-upper [%]: N/A
Explosion limits-lower [%]: N/A
Oxidising properties: No data available.

10. Stability and reactivity

10.1. Reactivity
Reactivity: Not established.
10.2. Chemical stability
Chemical stability: Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions
Hazardous reactions: Not established.
10.4. Conditions to avoid
Conditions to avoid: Direct sunlight. Extremely high or low temperatures.
10.5. Incompatible materials
Materials to avoid: Strong acids. Strong bases.
10.6. Hazardous decomposition products
Hazardous decomposition products: Fumes.Carbon monoxide. Carbon dioxide.

11. Toxicological information

11.1. Information on toxicological effectsAcute toxicity
• Inhalation: Based on available data, the classification criteria are not met.
• Dermal: Based on available data, the classification criteria are not met.
• Ingestion: Harmful if swallowed.
Corrosion: Based on available data, the classification criteria are not met.
Irritation: Based on available data, the classification criteria are not met.
Sensitization: Based on available data, the classification criteria are not met
.Mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Toxic for reproduction: Based on available data, the classification criteria are not met.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity
Toxicity information: Not established.
12.2. Persistence-degradability
Persistence-degradability: Biodegradable.
12.3. Bioaccumulative potential
Bioaccumulative potential: Not established.
12.4. Mobility in soil
Mobility in soil: Not established.
12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: The substance does not fulfil the criteria
to beidentified as PBT substance or vPvBsubstance according to Annex XIII of
RegulationREACH.
12.6. Other adverse effects
Environmental precautions: Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods
General: Avoid release to the environment. Disposein a safe manner in accordance
withlocal/national regulations.Dispose of this material and its container to hazardous
or special waste collectionpoint, in accordance with local, regional, national and/or international regulation.

14. Transport information

14.1. Land transport (ADR-RID)
Proper shipping name: STRONTIUM NITRATE
UN N°: 1507
H.I. nr: 50
ADR-Class: 5.1
Labelling-Transport: 5.1 : Oxidizing substances.
ADR-Classification code: O2
ADR-Group: II
IADR-Packing instructions: P002R001 LP002
ADR-Limited Quantity: 5 KG
ADR-Tunnel code: E : Passage forbidden through tunnels of category E.
14.2. Sea transport (IMDG) [English only]
Proper shipping name: STRONTIUM NITRATE
UN N°: 1507
IMO-IMDG-Class or division: 5.1 : Oxidizingsubstances.
IMO-IMDG-Packing group: III
IMO-IMDG-Packing instructions: P002 LP02
IMO-IMDG-Limited quantities: 5 kg
IMO-IMDG-Marine pollution: NoEMS-Nr: F-A S-Q
14.3. Air transport (ICAO-IATA) [English only]
Proper shipping name: STRONTIUMNITRATE
UN N°: 1507
IATA-Class or division: 5.1 : Oxidizing substances
.IATA-Packing group: III
IATA-Passenger and Cargo Aircraft: ALLOWED-
Passenger and Cargo-Packing: 559
instruction-Passenger and Cargo-Maximum: 25 kg
Quantity/Packing
IATA-Cargo only: ALLOWED-
Cargo only-Packing instruction: 563-
Cargo only-Maximum Quantity/: 100 kg
PackingIATA-Limited Quantites: 10 kg
ERG-Nr: 5L

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for thesubstance or mixture
Safety, health and environmental: Ensure all national/local regulations are observed
.regulations/legislation specific for thesubstance or mixture
REACH Restrictions-Annex XVII: The components of this product are not subject torestrictions.
REACH Authorisation-Annex XIV: The components of this product are not subjectto authorization.
15.2. Chemical Safety Assessment
Chemical Safety Assessment: It has not been carried out.

16. Other information

Abbreviations and acronyms: PBT: persistent, bioaccumulative and toxic.vPvB: very persistent and very bioaccumulative
Sources of key data used: REGULATION (EC) No 1272/2008 OF THE EUROPEANPARLIAMENT AND OF THE COUNCIL
of 16 December 2008 on classification,labellingand packaging of substances and mixtures, amending and repealing Directives
67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006Further information: None.In accordance with REACH
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