

1. Product and Company Identification

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Product Name

Magnesium Nitrate

Part Number

RXSOL-94-1912-025

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

Stock point : Kandla , Mumbai, Chennai, Kolkata, Visakhapatnam, Fujairah

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2. Composition / Information on ingredients

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Name of Substance	Cas Number
Magnesium Nitrate	13446-18-9

3. Hazards Identification

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Signal Word	Warning
Hazard Statements	This substance is not classified as dangerous according to European Union legislation.
Precautionary statements - prevention	P262 Do not get in eyes, on skin, or on clothing.
Precautionary statements - response	None Known

4. First Aid Measures

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Skin Contact	In case of contact, immediately flush skin with plenty of water. Use emollient. Remove contaminated clothing and shoes. Collect shoes for reuse. Thoroughly clean shoes before reuse. Get medical attention if necessary.
Eye Contact	After eye contact: rinse out with plenty of water with the aid of an eye wash. Consult an ophthalmologist if necessary.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If symptoms occur.
Ingestion:	Do not induce vomiting. Obtain medical attention. If vomited, vomit on left side (head-down position, if possible) to maintain airway.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

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Flammability	May be combustible at high temperature.
Flash Point	Not applicable.
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Hazardous combustion products	Not combustible. Development of hazardous combustion gases or vapours possible in the event of fire cause evolution of: nitrous gases, nitrogen oxides.
Protective Equipment	Use personal protective equipment.
Specific Hazards Arising from the Chemical	Not considered to be a significant fire risk.

6. Accidental Release Measures

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Spillage	Oxidizing material. Stop leak if without risk. Avoid contact with paper, oil, clothing...). Keep substance damp using water. Prevent entry into sewers, basements or confined areas. Call for assistance on disposal.
Personal Protection	Advice for non-emergency personnel: Avoid inhalation. In case of emergency procedures, consult an expert. Advice for emergency responders: see section 8.
Environmental Precaution	Do not let product enter drains.
Methods and materials for containment and cleaning	Cover drains. Collect, bind, and pump off spills. Observe disposal instructions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up as appropriate.

7. Handling and Storage

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Handling	Do not ingest. Do not breathe dust. Avoid contact with skin. In case of insufficient ventilation, wear suitable respiratory protection. In case of eye contact, advise immediately and show the container or the label. Keep away from sources of ignition. Keep away from confined spaces. In case of a fire risk, evaporate the residue under a fume hood.
Storage	Keep container tightly closed. Keep container in a cool, dry place, away from alkalies, reducing agents and combustibles. See NFPA 43A, Code for the Storage and Handling of Chemicals, for storage above 23°C (73.4°F).
Advice on general occupational hygiene	Advice on safe handling Observe label precautions. Change clothes after working with substance.

8. Exposure controls and personal protection

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Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep exposure levels below recommended exposure limits. If user operates in confined spaces, use local exhaust ventilation to keep exposure to airborne contaminants below recommended exposure limits.
Personal Protection	Eye/face Protection : Wear appropriate protective equipment as described by OSHA's eye and face protection regulation 29 CFR 1910.133, or European Standard EN166. Tightly fitting safety goggles.

Other Protection Measure
Exposure Limit

Skin and body protection : Wear appropriate protective clothing to avoid skin exposure. **Respiratory Protection** : Follow the OSHA 1910.134 or European Standard EN 149. Use a NIOSH approved respirator if exposure limits are exceeded or if irritation is experienced.
Handle in accordance with good industrial hygiene and safety practices.
Not Available .



Gloves Suit

9. Physical and chemical properties

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Form	Solid
Colour	White
Odour	Odourless
Odor Threshold	No Information Available
pH	5 - 7
Melting Point	89 °C
Boiling Point	Not Applicable
Flash Point	Does Not Flash
Evaporation Rate	Not Applicable
Flammability (solid, gas)	No Data Available
Explosive limits	No Data Available
Vapour pressure	Not Applicable
Vapour Density	Not Applicable
Specific Gravity	1.46 (Water = 1)
Partition coefficient	No data available
Explosive properties	None
Solubility	Soluble in water. 420 g / L at 20°C
Decomposition temperature	Decomposition temperature > 90 °C Elimination of water of crystallisation 330 °C

10. Stability and reactivity

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Reactivity	Explosible
Stability	Product is stable.
Possibility of hazardous reaction	Risk of explosion with: Esters organic combustible substances, oxidisable substances, Strong acids, Phosphorus. Exothermic reaction with: Dimethylformamide, Reducing agents
Conditions to avoid	Strong Heating
Incompatible materials	No Information available
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

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Rout Of Entry	Eye contact. Inhalation. Ingestion
Toxicity to Animal	Acute oral toxicity (LD50): 5440 mg/kg [Rat].
Toxic Effects on Humans	May cause damage to the following organs: blood, kidneys, lungs, gastrointestinal tract.
Special Remarks on other Toxic Effects on Humans:	Also irritating to mucous membranes. May affect lungs and central nervous system. Excessive amounts of magnesium may cause central nervous system depression, and may also affect the heart. Other Chronic Effects: May cause methemoglobinemia characterized by chocolate-brown colored blood, headache, weakness, dizziness, breath shortness, cyanosis, rapid unconsciousness and possible death. Repeated exposure may cause kidney damage and digestive tract abnormalities. Onset of symptoms may be delayed.

12. Ecological information

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Eco Toxicity	No information available.
COD and BOD 5	Not Available
Products of Biodegradation:	No Information available
Mobility in soil	No Information available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	Discharge into the environment must be avoided.

13. Disposal considerations

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Waste treatment Method	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. Do not mix with other waste. Handle uncleaned containers like the product itself
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14. Transport information

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DOT	Not classified as dangerous in the meaning of transport regulations.
IATA	Not classified as dangerous in the meaning of transport regulations.
IMDG	Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

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Federal and State Regulation	No products were found.
Other Regulation	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
WHMIS (Canada)	CLASS C: Oxidizing material.
DSCL (EEC)	R8- Contact with combustible material may cause fire. R36/37/38- Irritating to eyes, respiratory system and skin. S2- Harmful to the environment from combustible material.

HMIS

Health Hazard : 2
Fire Hazard : 1
Reactivity : 0
Personal Protection : E

Fire :

Health Hazard : 2
Fire Hazard : 1
Reactivity : 0
Specific Hazard :

16. Other information

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Other Information

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