

1. Product and Company Identification

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Product Name
Part Number

Magnesium Nitrate Hexahydrate
RXSOL-94-1912-025

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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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 with mild soap and emollient. Remove contaminated clothing and shoes. Clothing that has been soiled should be removed and reused. Thoroughly clean shoes before reuse. Get medical attention if necessary.
Eye Contact	After eye contact: rinse out with plenty of water with the eyelids held open. Get medical attention from an ophthalmologist if necessary.
Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.
Ingestion:	Do not induce vomiting. Obtain medical attention. If vomited, do not induce vomiting. If on left side (head-down position, if possible) to maintain airway. Get medical attention.
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 experts 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 label (7 and 10). Take up dry. Dispose of properly. Clean up as directed.

7. Handling and Storage

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Handling	Do not ingest. Do not breathe dust. Avoid contact with eyes. In case of insufficient ventilation, wear suitable respiratory protection. Advise immediately and show the container or the label. Keep away from sources of ignition. Keep away from confined spaces. a fire risk, evaporate the residue under a fume hood. .
Storage	Keep container tightly closed. Keep container in a cool, dry place, away from alkalis, reducing agents and combustibles. See NFPA 43A, Code for the Storage of Flammable and Combustible Liquids, store 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 Control	Use process enclosures, local exhaust ventilation, or other engineering controls to keep exposure levels below recommended exposure limits. If user operates in poorly ventilated areas, 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. Skin and body protection : Wear appropriate protective clothing to prevent skin exposure. Respiratory Protection : Follow the OSHA regulation 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH approved respirator if recommended exposure limits are exceeded or if irritation or other symptoms are experienced.
Other Protection Measure	Handle in accordance with good industrial hygiene and safety practices.



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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Recativity	Explosible
Stability	Product is stable.
Possibility of hazardous reaction	Risk of explosion with: Esters organic combustible substances, oxidisable substances, Strong acids, Pow 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	Also irritating to mucous membranes. May affect lungs and central nervous system. Excessive amounts of magnes

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

16. Other information

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Other Information

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