

## 1. Product and Company Identification

www.rxmarine.com

Product Name **Magnesium chloride**

Product Type **RXSOL-19-1912-025**

### Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

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Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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Name	CAS #	% by Weight
Magnesium chloride hexahydrate	7791-18-6	100

### Toxicological Data on Ingredients:

Not applicable.

## 3. Hazards Identification

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### Potential Acute Health Effects:

Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

### Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to cardiovascular system, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

#### 4. First Aid Measures

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Eye Contact:	Immediately flush eyes with water for 15 minutes, keeping eyelids open.
Skin Contact:	After contact with skin, wash with running water and non-abrasive soap. Gently and thoroughly clean folds, creases, etc. with running water and non-abrasive soap. Water may be used. Cover with emollient. If irritation persists, seek medical attention.
Serious Skin Contact:	Not available.
Inhalation:	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
Serious Inhalation:	Not available.
Ingestion:	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. Do not perform mouth-to-mouth respiration. Seek immediate medical attention.
Serious Ingestion:	Not available.

#### 5. Fire-fighting Measures

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Flammability of the Product:	Non-flammable.
Auto-Ignition Temperature:	Not applicable.
Flash Points:	Not applicable.
Flammable Limits:	Not applicable.
Products of Combustion:	Not available.
Fire Hazards in Presence of Various Substances:	Not applicable.
Explosion Hazards in Presence of Various Substances:	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions:	Not applicable.

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Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

## 6. Accidental Release Measures

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**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## 7. Handling and Storage

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### Precautions:

Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

### Storage:

No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

## 8. Exposure controls and personal protection

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### Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal Protection:

Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Exposure Limits:

Not available.

## 9. Physical and chemical properties

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Physical state and appearance:	Solid. (Deliquescent crystals)
Odor:	Not available.
Taste:	Not available.
Molecular Weight:	203.3 g/mole
Color:	Not available.
pH (1 % soln/water):	7 [Neutral.]
Boiling Point:	Not available.
Melting Point:	118°C (244.4°F)
Critical Temperature:	Not available.
Specific Gravity:	1.59 (Water = 1)
Vapor Pressure:	Not applicable.
Vapor Density:	Not available.
Volatility:	Not available.
Odor Threshold:	Not available.
Water/Oil Dist. Coeff.:	Not available.
Ionicity (in Water):	Not available.
Dispersion Properties:	See solubility in water, meth
Solubility:	Easily soluble in cold water, in diethyl ether, n-octanol.

## 10. Stability and reactivity

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Stability:	The product is stable.
Instability Temperature:	Not available.
Conditions of Instability:	Not available.
Incompatibility with various substances:	Reactive with oxidizing agents. moisture.
Corrosivity:	Non-corrosive in presence of g
Special Remarks on Reactivity:	Not available.
Special Remarks on Corrosivity:	Not available.
Polymerization:	No.

## 11. Toxicological information

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Routes of Entry:	Absorbed through skin. Eye
Toxicity to Animals:	Acute oral toxicity (LD50):
Chronic Effects on Humans:	The substance is toxic to respiratory tract.
Other Toxic Effects on Humans:	Slightly hazardous in cas permeator), of ingestion, of
Special Remarks on Toxicity to Animals:	Not available.
Special Remarks on Chronic Effects on Humans:	Not available.
Special Remarks on other Toxic Effects on Humans:	Material is irritating to m respiratory tract.

## 12. Ecological information

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Ecotoxicity:	Not available.
BOD5 and COD:	Not available.
Products of Biodegradation:	Possibly hazardous short term degra are not likely. However, long te products may arise.
Toxicity of the Products of Biodegradation:	The products of degradation are mor
Special Remarks on the Products of Biodegradation:	Not available.

## 13. Disposal considerations

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**14. Transport information**[www.rxmarine.com](http://www.rxmarine.com)

DOT Classification:	Not a DOT controlled material (United States).
Identification:	Not applicable.
Special Provisions for Transport:	Not applicable.

**15. Regulatory information**[www.rxmarine.com](http://www.rxmarine.com)**Federal and State Regulations:**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Magnesium chloride hexahydrate  
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Magnesium chloride hexahydrate  
TSCA 8(b) inventory: Magnesium chloride hexahydrate

**Other Regulations:**

Not available.

**Other Classifications:****WHMIS (Canada):**

Not controlled under WHMIS (Canada).

**DSCL (EEC):**

This product is not classified according to the EU regulations.

**HMIS (U.S.A.):**

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

**National Fire Protection Association (U.S.A.):**

Health:	2
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Flammability: 0

Reactivity: 0

Specific hazard:

### **Protective Equipment:**

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

## **16. Other information**

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The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents. The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties. The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications; usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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