

1. Product and Company Identification

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Product Name Magnesium Chloride Standard Solution
Product Type RXSOL-60-6269-100

Company Details:

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat

Phone +91 22 65113333 / 5555 / 9999
Fax +91 22 2781 1318 :::AOH :0091 9821214367
Email mail@rxmarine.com

2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Magnesium Chloride Hexahydrate	CAS# 7791-18-6	0.1 -	W/V	TXDS: orl-rat LD ₅₀ : 8100mg/Kg
Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards Identification

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May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes.

Wash thoroughly after handling.

Emergency Overview: Large Doses may Cause Gastrointestinal Upset.

Inhalation: No Adverse Health Effects Expected from Inhalation

Ingestion: Large Doses may Cause Gastrointestinal Upset.

Skin: No Adverse Effects Expected.

Eye Contact: No Adverse Effects Expected.

Chronic Exposure: No Information Found.

Aggravated by Exposure: No Information Found.

4. First Aid Measures

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May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If

breathing is difficult, give oxygen If large amounts are swallowed give water to drink and seek medical aid.

5. Fire-fighting Measures

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Fire Extinguisher Type:

Any means suitable for extinguishing burning may produce toxic fumes.

Fire / Explosion Hazard:

Fire Fighting Procedure:

Wear self-contained breathing apparatus and protective clothing to protect skin and clothing.

6. Accidental Release Measures

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Absorb spill with inert material. Flush excess down drain. Ventilate Area of Leak or Spill. Keep Unnecessary and Unprotected People away from area of spill. Wear Appropriate Personal Protective Equipment as Specified on Section 7. Collect Liquid in an Appropriate Container or Absorb with an Inert Material (e.g., Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials.

Store in a cool, dry place. Handle using safe laboratory practices.

8. Exposure controls and personal protection

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Respiratory Protection

None required

Ventilation

Local

OTHER

Mechanical

Protective Gloves

Gloves to prevent skin exposure as rubber or vinyl

EYE PROTECTION

Splash Goggles

Other Protective Equipment

Wear appropriate clothing to prevent skin exposure

9. Physical and chemical properties

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BOILING POINT

~100°C

VAPOR PRESSURE

not available

MELTING POINT

~0°C

VAPOR DENSITY

not available

EVAPORATION RATE

information not available

Appearance /Odors

Clearless liquid, odorless

Flash Point

Not applicable

Specific Gravity

~1.0

Phase Soluble in:

Water

Evaporation Standard:

Auto Ignition Temp:

Not applicable

Lower Flamm. Limit in Air:

Not applicable

Upper Flamm. Limit in Air:

Not applicable

Solubility in Water

Soluble

10. Stability and reactivity

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STABILITY

CONDITIONS TO AVOID	Temperature extremes
MATERIALS TO AVOID	Strong acids, strong bases
HAZARDOUS DECOMPOSITION PRODUCTS	None known
HAZARDOUS POLYMERIZATION	will not occur

Conditions to Avoid None known

11. Toxicological information

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Carcinogenic References: NTP Carcinogen - Known: No, IARC Category - None\

12. Ecological information

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Environmental Fate: No Information Found

Environmental Toxicity: No Information Found

13. Disposal considerations

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Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. Do not flush in sewer.

14. Transport information

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DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

15. Regulatory information

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CAS# 7791-18-6 is not on the TSCA Inventory. It is a hydrate and exempt from TSCA Inventory requirements (40CFR720.3(u)(2)).

Overexposure symptoms. Acute: Ingestion of large doses may cause gastrointestinal upset. Possible irritation of eyes/stomach. Chronic: None known. Conditions aggravated/Target organs: none

Flammability

Health

Reactivity

Revisions

NFPA

0

8/2/2010

0.1 updated msds to 16 section from 10 section msds. STN

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