

1. Product and Company Identification

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Product Name

Calcium Chloride Solution

Product Type

RXSOL-67-6202-220

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Calcium Chloride Dihydrate	CAS# 10035-04-8	30-60%	W/V	TXDS: LD50 (rat):1.4 g/Kg
Water, Deionized Type II	ASTM 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 dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview:

Warning! Harmful if swallowed. Causes irritation to skin and eyes. May cause respiratory tract irritation.

Inhalation:

Effects are expected to be less severe than for exposure to higher concentrations Where symptoms include irritation to the respiratory tract with coughing and shortness of breath.

Ingestion:

Effects are expected to be less severe to exposure to higher concentrations where symptoms include irritation to the gastrointestinal tract with nausea, vomiting and diarrhea.

Skin:

Effects are expected to be less severe than for exposure to higher concentrations where symptoms include irritation to the skin with redness, itching and pain.

Eye Contact:

Effects are expected to be less severe than exposure to higher concentrations where symptoms include eye irritation, redness and pain..

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 dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID:

SKIN:

Remove contaminated clothing. 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

INGESTION:

If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

5. Fire-fighting Measures

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Fire Extinguisher Type:
Fire/Explosion Hazards:
Firefighting Procedure:

Any means suitable for extinguishing surrounding fire
None Known
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. Accidental Release Measures

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Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.
Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (Vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer.

7. Handling and Storage

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This material is not considered hazardous.
Store in a cool, dry place.
Handle using safe laboratory practices.

8. Exposure controls and personal protection

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Respiratory protection
Ventilation

None required
Local Exhaust
Mechanical

Protective gloves
Eye protection
Other protective equipment

Gloves to prevent skin exposure (e.g., rubber or vinyl)
Splash Goggles
Wear appropriate clothing to prevent skin exposure.

9. Physical and chemical properties

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Melting Point
Boiling Point
Vapor Pressure
Vapor Density
Solubility In Water
Appearance/Odors
Flash Point
Percent Volatile By Volume
Evaporation Rate
Evaporation Standard
Auto Ignition Temp
Lower Flamm. Limit In Air
Upper Flamm. Limit In Air
Specific Gravity

~30°F (-0.9°C)
~212°F (100°C)
not Available
not Available
soluble
Clear, odorless liquid
Nonflammable
~66%
Information not available
Not Applicable
Not Applicable
Not Applicable
~1.1-1.2

10. Stability and reactivity

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Stability
Conditions to Avoid
Materials to Avoid

Stable
Temperature extremes
Concentrated acids and bases

Hazardous Decomposition Products
Hazardous Polymerization
Conditions to Avoid

None known to occur
Not expected to occur
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

13. Disposal considerations

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Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal 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.

14. Transport information

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DOT Classification: Not Regulated

DOT regulations may change from time to time. Please consult the most recent DOT regulations.

15. Regulatory information

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Chemical Inventory Status

Part 1:Ingredient

Calcium Chloride (10043-52-4)

TSCA	Yes
EC	Yes
Japan	Yes
Australia	Yes

Chemical Inventory Status

Part 2:Ingredient

Calcium Chloride (10043-52-4)

Korea	Yes
DSL	Yes
NDSL	No
Phil.	Yes

Federal, State & International Regulations

Part 1: Ingredient

Calcium Chloride (10043-52-4)

RQ	No
TPQ	No
List	No
Chemical Catg	No

Federal, State & International Regulations

Part 2:Ingredient

Calcium Chloride (10043-52-4)

CERCLA	No
261.33	No

8(d)	No
Chemical Weapons Convention	No
TSCA 12 (b)	No
CDTA	No
SARA 311/312 : Acute	Yes
Chronic	Yes
Fire	No
Pressure	No
Reactivity	No Pure/Solid
Australian Hazchem Code	None allocated
Poison Schedule	None allocated

16. Other information

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