Material Safety Data Sheet

Calcium Chloride Solution (RXSOL-40-6202-050)

1. Product and Company Identifaction

Product Name	**Calcium Chloride, Saturated Solution**
Product Type	**RXSOL-40-6202-050**

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

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Email	mail@rxmarine.com

2. Composition / informationon ingredients

SARA 313	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 ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

3. Hazards Identification

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

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

Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire
Fire/Explosion Hazards:	None Known
Firefighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skinand clothing.

6. Accidental Release Measures

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

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

8. Exposure controls and personal protection

Respiratory protection	None required
Ventilation	Local Exhaust Mechanical
Protective gloves	Gloves to prevent skin exposure (e.g., rubber or vinyl)
Eye protection	Splash Goggles
Other protective equipment	Wear appropriate clothing to prevent skin exposure.

9. Physical and chemical properties

Melting Point	~30°F (-0.9°C)
Boiling Point	~212°F (100°C)
Vapor Pressure	not Available
Vapor Density	not Available
Solubility In Water	soluble
Appearance/Odors	Clear, odorless liquid
Flash Point	Nonflammable
Percent Volatile By Volume	~66%
Evaporation Rate	Information not available
Evaporation Standard	
Auto Ignition Temp	Not Applicable
Lower Flamm. Limit In Air	Not Applicable
Upper Flamm. Limit In Air	Not Applicable
Specific Gravity	~1.39

10. Stability and reactivity

Stability	Stable
Conditions to Avoid	Temperature extremes
Materials to Avoid	Concentrated acids and bases
Hazardous Decomposition Products	None known to occur
Hazardous Polymerization	Not expected to occur
Conditions to Avoid	None known

11. Toxicological information

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

12. Ecological information

Environmental Fate: No Information Found

13. Disposal considerations

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

DOT Classification: Not Regulated
DOT regulations may change from time to time. Please consult the most recent DOT regulations.

15. Regulatory information

Chemical Inventory Status –
Part 1:Ingrdient
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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