

## 1. Product and Company Identification

www.rxmarine.com

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

Phone

+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540

Fax

+91 22 2781 1318 ::::AOH :0091 9322594669

Email

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

## 2. Composition / Information on ingredients

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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

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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

INGESTION:

breathing is difficult, give oxygen  
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  
~1.39

## 10. Stability and reactivity

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Stability  
Conditions to Avoid

Stable  
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

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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
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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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