

## 1. Product and Company Identification

www.rxmarine.com

Product Name Calcium Chloride, 2% Solution  
Product Type RXSOL-60-6265-100

### Company Details:

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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SARA 313 Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
Calcium Chloride Approx.4 mesh	CAS# 10043-52-4	2%	W/V	TXDS: LD <sub>50</sub> (rat): 1.4 g/Kg
Water, Deionized ASTM Type II	CAS# 7732-18-5	98%	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: Warning! Causes Irritation To Skin, Eyes And Respiratory Tract. Harmful If Swallowed Or Inhaled.

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 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.
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:

Fire Fighting Procedure:

Any means suitable for extinguishing surrounding fire  
 May emit toxic fumes of chlorine under fire conditions  
 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. 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	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

~1.01

Percent Volatile by

~98%

Evaporation Number

Auto Ignition Temp

Not applicable

Lower Flamm. Limit to Air

Not applicable

Solubility in Water

Soluble

## 10. Stability and reactivity

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### STABILITY

CONDITIONS TO AVOID

Temperature extremes

MATERIALS TO AVOID

Concentrated acids, and Bases

HAZARDOUS DECOMPOSITION

may emit toxic fumes of chlorine under fire cond.

PRODUCTS

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: Based on available information for Calcium Chloride anhydrous, this material will not biodegrade or bioaccumulate.

Environmental Toxicity: The LC50/96-hour values for fish are over 100 mg/l.

### 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 D.O.T. regulations.

### 15. Regulatory information

[www.rxmarine.com](http://www.rxmarine.com)
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 MIXTURE/LIQUID  
SARA 311/312: Acute: YES  
Chronic: No  
Fire: No  
Pressure: No  
Reactivity: No  
Australian Hazchem Code: None allocated  
Poison Schedule: None allocated

## 16. Other information

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Overexposure symptoms. Acute: Possible irritation of eyes/stomach. Chronic: None known. Conditions aggravated/Target organs: none known.  
Causes irritation to skin, eyes and respiratory tract. Harmful if swallowed or inhaled. 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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