

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

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

## 1. Product and Company Identification

[www.rxmarine.com](http://www.rxmarine.com)

|              |                                             |
|--------------|---------------------------------------------|
| Product Name | <b>Calcium Chloride, Saturated Solution</b> |
| Product Type | <b>RXSOL-40-6202-050</b>                    |

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

|       |                                                          |
|-------|----------------------------------------------------------|
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| Email | <a href="mailto:mail@rxmarine.com">mail@rxmarine.com</a> |

## 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 Exposure: | by | 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: | 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 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 | None required               |
| Ventilation            | Local Exhaust<br>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

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|                            |                           |
|----------------------------|---------------------------|
| 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

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|                                  |                              |
|----------------------------------|------------------------------|
| 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

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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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