

# Calcium Hydroxide (RXSOL-22-2207-025)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

## 1. Product and Company Identification

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

|              |                          |
|--------------|--------------------------|
| Product Name | RXSOL-22-2207-025        |
| Product Type | Calcium Hydroxide Powder |

Company Details:

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

Stock Point : Mumbai, Kandla, Chennai, Ennore, Kolkata, Visakhapatnam, Gangavaram, Fujairah

|       |                                                          |
|-------|----------------------------------------------------------|
| Phone | +91 22 27815541 / 42                                     |
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| Email | <a href="mailto:mail@rxmarine.com">mail@rxmarine.com</a> |

## 2. Composition / Information on ingredients

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

| SARA 313 Component | CAS Number     | Percent Comp. | Dimension | Exposure Limits  |
|--------------------|----------------|---------------|-----------|------------------|
| Calcium Hydroxide  | CAS# 1305-62-0 | 100%          | W/W       | OSHA TWA 5 mg/mf |

## 3. Hazards Identification

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

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep

Emergency Overview: Danger! Harmful if swallowed or inhaled. Causes burns to skin and eyes. Causes severe irritation to respiratory tract.

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath. Can cause chemical bronchitis.

Ingestion: Gastric irritant. Ingestion may be followed by severe pain, vomiting, diarrhea, and collapse. If death does not occur in 24 hours, esophageal perforation may occur, as evidenced by fall in blood pressure and severe pain. A narrowing of the esophagus may occur weeks, months, or years after ingestion, making swallowing difficult.

Skin: Corrosive. May cause severe burns and blistering, depending on duration of contact.

Eye Contact: Corrosive. May produce severe irritation and pain. May induce ulcerations of the corneal epithelium. Can cause blindness.

Chronic Exposure:Prolonged or repeated skin contact may produce severe irritation or dermatitis. Aggravated by ExposurePersons with pre-existing skin problems or impaired respiratory function may be more susceptible to the effects of this substance

#### 4. First Aid Measures

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

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

|             |                                                                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SKIN:       | In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes.<br>Thoroughly clean clothing and shoes before reuse. |
| EYES:       | Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally.<br>Seek Medical Aid.                                                                            |
| INHALATION: | Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen                                                                         |
| INGESTION   | Give several glasses of milk or water. Vomiting may occur                                                                                                                          |

#### 5. Fire-fighting Measures

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

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

#### 6. Accidental Release Measures

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

Carefully pick up solid with minimum of dusting and collect in metal container with covers with disposal. The trace amount of residue can be flushed down drain.

#### 7. Handling and Storage

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

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Store away from acids.

#### 8. Exposure controls and personal protection

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

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Respiratory Protection | Dust mask recommended.                           |
| Ventilation            | Local                                            |
| OTHER                  | Mechanical                                       |
| Protective Gloves      | Wear appropriate gloves to prevent skin exposure |
| EYE PROTECTION         | Safety Glasses w/<br>Side Shields                |

|                            |                                                    |
|----------------------------|----------------------------------------------------|
| Other Protective Equipment | Wear appropriate clothing to prevent skin exposure |
|----------------------------|----------------------------------------------------|

## 9. Physical and chemical properties

www.rxmarine.com

|                           |                           |
|---------------------------|---------------------------|
| BOILING POINT             | Decomposes                |
| VAPOR PRESSURE            | Information not available |
| MELTING POINT             | 580 Deg C                 |
| VAPOR DENSITY             | Information not available |
| EVAPORATION RATE          | Not applicable            |
| Appearance /Odors         | White powder              |
| Flash Point               | Not                       |
| Specific Gravity          | 2.2-2.6                   |
| Percent Volatile by       | >95                       |
| Evaporation Standard      |                           |
| Auto Ignition Temp        | Not applicable            |
| Lower Flamm. Limit in Air | Not applicable            |
| Upper Flamm. Limit in Air | Not applicable            |
| Solubility in Water       | 0.185 g in 100 mL water   |

## 10. Stability and reactivity

www.rxmarine.com

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| STABILITY                        | Stable odorless                                           |
| CONDITIONS TO AVOID              | Avoid contact with incompatible materials.                |
| MATERIALS TO AVOID               | Boric oxide, acids, fluorine, and many organic materials. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Not known to occur                                        |
| HAZARDOUS POLYMERIZATION         | will not occur                                            |
| Conditions to Avoid              | None known                                                |

## 11. Toxicological information

www.rxmarine.com

Not applicable

## 12. Ecological information

www.rxmarine.com

Not applicable

### 13. Disposal considerations

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

Not applicable

### 14. Transport information

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

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 TSCA EC Japan Australia

Calcium Hydroxide (1305-62-0)Yes Yes Yes Yes

Chemical Inventory Status –

Part 2:Ingredient Korea DSL NDSL Phil.

Calcium Hydroxide (1305-62-0)Yes Yes NO Yes

Federal, State & International Regulations –

Part 1: Ingredient RQ TPQ List Chemical Catg.

Calcium Hydroxide (1305-62-0)NO NO NO NO

Federal, State &

International Regulations –

Part 2:Ingredient CERCLA 261.33 8(d)

Calcium Hydroxide (1305-62-0)

TSCA 12 (b):No

CDTA:No

SARA 311/312: Acute: Yes Chronic: Yes

Fire: NO Pressure: No

Reactivity: No PURE/SOLID)

Australian Hazchem NONE ALLOCATED

Poison Schedule:NONE ALLOCATED

### 16. Other information

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Conditions aggravated/Target organs: Persons with pre-existing eye, skin, respiratory disorders are more susceptible. Contact with eyes may cause irritation and possible corrosion damage. Target organs: Lungs. No chronic effects known.

Flammability

Health

Reactivity

| Revisions | NFPA                                                     |
|-----------|----------------------------------------------------------|
| 7/26/2010 | 0.1 updated msds to 16 section from 10 section msds. STN |

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