

# Material Safety Data Sheet

Calcium Silicate Powder (RXSOL-67-1370-050)



## 1. Product and Company Identification

Product Name                      Calcium Silicate  
Part Number                        RXSOL-67-1370-050

**Company Details:**  
**RX MARINE INTERNATIONAL**  
**105, A wing , BSEL , TECH PARK.**  
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## 2. Composition / information on ingredients

| Ingrident        | CAS Number | Weight Percentage |
|------------------|------------|-------------------|
| Calcium Silicate | 1344-95-2  | 100%              |

Toxicological Data on Ingredients: Calcium Silicate LD50: Not available. LC50: Not available.

## 3. Hazards Identification

|                                   |                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|
| Classification                    | Solid                                                                                                    |
| Signal Word                       | Irritant                                                                                                 |
| Potential Acute Health Effects:   | Hazardous in case of skin contact (permeator), of eye contact (irritant), of inhalation (lung irritant). |
| Potential Chronic Health Effects: | Slightly hazardous in case of skin contact (sensitizer).                                                 |
| Carcinogenic Effects:             | Not available.                                                                                           |
| Mutagenic Effects:                | Not Available                                                                                            |
| Teratogenic Effects:              | Not available.                                                                                           |
| Developmental Toxicity:           | Not available.                                                                                           |

## 4. First Aid Measures

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Skin Contact          | After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Since the product can readily penetrate the protective epidermal layer and cause rashes or eczema, a good hand cream should be used after washing affected areas. Seek medical attention. |
| Serious Skin Contact: | Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.                                                                                                                                                                                                                                                                                                       |
| Eyes Contact :        | Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention                                                                                                                                                                                                                                                                                                                               |
| Inhalation:           | Allow the victim to rest in a well ventilated area. Seek immediate medical attention.                                                                                                                                                                                                                                                                                                                                     |
| Serious Inhalation:   | Not Available                                                                                                                                                                                                                                                                                                                                                                                                             |
| Ingestion:            | Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.                                                                                                                                                                                                                           |

## 5. Fire-fighting Measures

|                                                      |                                                                                                                                                  |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammability of the Product:                         | Non Flammable                                                                                                                                    |
| Auto Ignition temp.                                  | Not applicable                                                                                                                                   |
| Flash Point                                          | Not applicable                                                                                                                                   |
| Flammable Limits:                                    | Not applicable                                                                                                                                   |
| Products of Combustion:                              | Not Available                                                                                                                                    |
| Fire Hazards in Presence of Various Substances:      | Not Applicable                                                                                                                                   |
| Explosion Hazards in Presence of Various Substances: | Risks of explosion of the product in presence of mechanical impact: Not available. Non-explosive in presence of open flames and sparks, of heat. |
| Fire Fighting Media and Instructions:                | Not Applicable.                                                                                                                                  |
| Special Remarks on Fire Hazards:                     | Not Applicable.                                                                                                                                  |
| Special Remarks on Explosion Hazards:                | Not Applicable                                                                                                                                   |

## 6. Accidental Release Measures

|                |                                                                                                                                                                                                                                                                                                                                 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Small Spillage | Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.                                                                                                  |
| Large Spillage | Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities. |

## 7. Handling and Storage

|                   |                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling          | Do not breathe dust. Wear suitable protective clothing If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes |
| Storage           | Keep container tightly closed. Keep container in a cool, well-ventilated area.                                                                                       |
| Incompatibilities | Not Applicable                                                                                                                                                       |

## 8. Exposure controls and personal protection

|                               |                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Control           | Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.                                                                  |
| Personal Protective Equipment |                                                                                                                                                                                                                                                                                                                                                  |
| Skin Protection               | Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.                                                                                                                                                                                                             |
| Eye Protection                | Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.                                                                                                                                                                                                                                                |
| Respiratory Protection        | For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. |
| Exposure Limits:              | United States: TWA: 10 (mg/m3) from ACGIH (TLV) [1998] United States: TWA: 15 (mg/m3) from OSHA (PEL) Israel: TWA: 10 (mg/m3) Australia: TWA: 10 (mg/m3) Consult local authorities for acceptable exposure limits.                                                                                                                               |



Gloves



Suit

## 9. Physical and chemical properties

|                           |                                            |
|---------------------------|--------------------------------------------|
| Appearance                | Solid                                      |
| Colour                    | White Crystal                              |
| Molecular Weight          | 116.16 g/mole                              |
| Taste                     | Not Available                              |
| Odor                      | Not Available                              |
| pH (1 % Solution) @25°C   | Not Applicable                             |
| Boiling Point             | Not Available                              |
| Melting Point             | 1540°C (2804°F)                            |
| Critical Temperature      | Not Available                              |
| Specific Gravity          | Not Available                              |
| Vapor Pressure            | Not Available                              |
| Vapor Density (Air = 1.0) | Not Applicable                             |
| Volatility                | Not Available                              |
| Odor Threshold            | Not Available                              |
| Water/Oil Dist. Coeff     | Not Available                              |
| Ionicity (in Water)       | Not Available                              |
| Dispersion Properties:    | Is not dispersed in cold water, hot water. |
| Solubility in Water       | Not soluble in hot water                   |

## 10. Stability and reactivity

|                            |                        |
|----------------------------|------------------------|
| Stability...of..Product    | The product is stable. |
| Instability Temperature    | Not Available          |
| Conditions of Instability: | Not Available          |

|                                          |                                     |
|------------------------------------------|-------------------------------------|
| Incompatibility with various substances: | Not Available                       |
| Corrosivity:                             | Non-corrosive in presence of glass. |
| Special Remarks on Reactivity:           | Not available.                      |
| Special Remarks on Corrosivity:          | Not available.                      |
| Hazardous Polymerization                 | Will not occur.                     |

## 11. Toxicological information

|                                                   |                                                                                                                                |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Routes of Entry:                                  | Dermal contact. Eye contact. Inhalation.                                                                                       |
| Toxicity to Animals:                              | Acute LD50: Not available. LC50: Not available.                                                                                |
| Chronic Effects on Humans:                        | A4 (Not classifiable for human or animal.) by ACGIH. MUTAGENIC EFFECTS: Classified None. for human. Non-mutagenic for mammals. |
| Other Toxic Effects on Humans:                    | Hazardous in case of skin contact (permeator), of inhalation (lung irritant)                                                   |
| Special Remarks on Toxicity to Animals:           | Not Available                                                                                                                  |
| Special Remarks on Chronic Effects on Humans:     | Not Available                                                                                                                  |
| Special Remarks on other Toxic Effects on Humans: | Not Available                                                                                                                  |

## 12. Ecological information

|                                                    |                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Ecotoxicity:                                       | Not Available                                                                                                         |
| BOD5 and COD:                                      | Not Available                                                                                                         |
| Products of Biodegradation:                        | Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. |
| Toxicity of the Products of Biodegradation:        | The product itself and its products of degradation are not toxic.                                                     |
| Special Remarks on the Products of Biodegradation: | Not Available                                                                                                         |

## 13. Disposal considerations

Disposal Condition      Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. Transport information

|                                   |                                               |
|-----------------------------------|-----------------------------------------------|
| DOT Classification:               | Not a DOT controlled material (United States) |
| Identification:                   | Not applicable.                               |
| Special Provisions for Transport: | Not applicable.                               |
| Packing Group                     | Not applicable                                |

## 15. Regulatory information

|                                |                                                                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Federal and State Regulations: | Rhode Island RTK hazardous substances: Calcium Silicate Pennsylvania RTK: Calcium Silicate Florida: Calcium Silicate Minnesota: Calcium Silicate Massachusetts RTK: Calcium Silicate TSCA 8(b) inventory: Calcium Silicate |
| Other Regulations:             | Not Available                                                                                                                                                                                                              |
| Other Classifications:         | WHMIS (Canada): Not controlled under WHMIS (Canada).                                                                                                                                                                       |
| DSCL (EEC):                    | R36/37- Irritating to eyes and respiratory system.                                                                                                                                                                         |
| HMIS Classification            | Health – 1,<br>Flammability – 0<br>Reactivity – 0<br>Personal Protection : E                                                                                                                                               |
| NFPA Classification            | Health – 2<br>Flammability – 0<br>Reactivity – 0                                                                                                                                                                           |
| Protective Equipment           | Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.                                                                                                         |

## 16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **Rx Marine International** has been advised of the possibility of such damage

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