



# RXSOL

CHEMO PHARMA INTERNATIONAL

**RXSOL-81-8119-2000**

Silica Sand AFS 20/25

## Material Safety Data Sheet (MSDS)

### 1. Product and Company Identification

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

|              |                       |
|--------------|-----------------------|
| Product Name | Silica Sand AFS 20/25 |
| Product Type | RXSOL-81-8119-2000    |

Company Details:

RXSOL CHEMO PHARMA INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
VASHI ,NEW BOMBAY 400703 INDIA

STOCK POINT : MUMBAI, Kandla, Chennai, Vizag, Kolkata, Fujairah

|       |                                                          |
|-------|----------------------------------------------------------|
| Phone | +91 22 65113333 / 5555 / 9999                            |
| Fax   | +91 22 2781 1318 :::AOH :0091 9821214367                 |
| Email | <a href="mailto:mail@rxmarine.com">mail@rxmarine.com</a> |

### 2. Composition / Information on ingredients

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| Name                        | CAS#       | % by Weight |
|-----------------------------|------------|-------------|
| Crystalline Silica (quartz) | 14808-60-7 | 99.0 - 99.9 |
| Aluminum Oxide              | 1344-28-1  | <1.0        |
| Iron Oxide                  | 1309-37-1  | <0.1        |
| Titanium Oxide              | 13463-67-7 | <0.1        |

### 3. Hazards Identification

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|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation:  | <p>:- Silicosis: The prolonged repeated inhalation of respirable crystalline silica can cause silicosis, a fibrosis (scarring) of the lungs.<br/>Silicosis may be progressive; it may lead to disability and death.</p> <p>:- Lung Cancer: Crystalline silica is classified as carcinogenic to humans.</p> <p>:- Tuberculosis: Silicosis increases the risk of tuberculosis.</p> <p>:- Autoimmune and Chronic Kidney Diseases: Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica.</p> <p>:- Non-Malignant Respiratory Diseases (other than silicosis): Some studies show an increased incidence in chronic bronchitis and emphysema in workers exposed to respirable crystalline silica.</p> |
| Ingestion    | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Skin contact | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Eye contact: | Crystalline silica (sand or ground silica) may cause abrasion of the cornea.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

#### 4. First Aid Measures

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|              |                                                                                                                                                                                                                                                                                                                                           |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | Wash immediately with plenty of water. If irritation persists, seek medical attention.                                                                                                                                                                                                                                                    |
| Skin Contact | Not applicable                                                                                                                                                                                                                                                                                                                            |
| Inhalation   | No specific first-aid is necessary since the adverse health effects associated with inhalation of respirable crystalline silica result from chronic exposures. If there is a gross inhalation of crystalline silica, remove the person immediately to fresh air, give artificial respiration as needed, seek medical attention as needed. |
| Ingestion    | Not applicable                                                                                                                                                                                                                                                                                                                            |

#### 5. Fire-fighting Measures

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|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Extinguishing Media :            | Product is not flammable, combustible or explosive. Use extinguishing media appropriate for surrounding fire. |
| Special Fire Fighting Procedures | : Not applicable                                                                                              |

#### 6. Accidental Release Measures

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Personal precautions:

Avoid generating dust. If the concentration of respirable silica dust exceeds the OSHA PEL or other applicable limit (if lower than the PEL), wear respirator specified in Section 8 of this Safety Data Sheet.

Environmental precautions:

No specific precautions. Discard any product, residue, disposable container or liner in compliance with regulatory requirements. Methods for

cleaning up: Avoid dry sweeping. Do not use compressed air to clean spilled sand or ground silica. Use water spraying/flushing or ventilated

or HEPA filtered vacuum cleaning system. Dispose of in closed containers.

#### 7. Handling and Storage

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|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | Avoid generating dust. Do not breathe dust. Do not rely on your sight to determine if dust is in the air. Respirable crystalline silica dust may be in the air without a visible dust cloud. Use adequate exhaust ventilation and dust collection. Maintain and test ventilation and dust collection equipment. Use all available work practices to control dust exposures, such as water sprays. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Keep airborne dust concentrations below permissible exposure limits. |
| Storage  | Use dust collection to trap dust produced during loading and unloading. Keep containers closed and store bags to avoid accidental tearing, breaking, or bursting.                                                                                                                                                                                                                                                                                                                                                                                                                          |

## 8. Exposure controls and personal protection

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|                        |                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Controls   | Ventilation must be adequate to maintain the crystalline silica concentrations in the workplace air below the exposure limit(s) outlined in Section 8.3.1 of this Safety Data Sheet. |
| Respiratory Protection | In case of exposure to dust, and in any case if such exposure is above regulatory limits (see above), wear a personal respirator as outlined in Section 8.2 above.                   |
| Eye / Face Protection  | If eye contact while using product may be anticipated, wear appropriate safety glasses with side shields or chemical goggles [as described by European Standard EN 166].             |
| Skin Protection        | Maintain good industrial hygiene. Protection recommended for workers suffering from dermatitis or sensitive skin.                                                                    |

## 9. Physical and chemical properties

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|                             |                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Physical State              | White or tan sand: granular, crushed or ground to a powder.                                                           |
| Odor                        | None                                                                                                                  |
| pH                          | 6 - 8                                                                                                                 |
| Specific Gravity            | 2.65 g/cc                                                                                                             |
| Melting Point               | 3110°F/1710°C                                                                                                         |
| Freezing Point              | Not Applicable                                                                                                        |
| Boiling Point               | 4046°F/2230°C                                                                                                         |
| Flashpoint                  | Not Applicable                                                                                                        |
| Flammability                | Not Applicable                                                                                                        |
| Explosive properties        | Not Applicable                                                                                                        |
| Oxidizing properties        | contact with powerful oxidizing agents such as fluorine, chlorine trifluoride, and oxygen difluoride may cause fires. |
| Vapor Pressure              | None                                                                                                                  |
| Relative Density            | Not Applicable                                                                                                        |
| Solubility                  | Silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride                          |
| Water Solubility            | Insoluble                                                                                                             |
| Percent Volatiles by Volume | Not Applicable                                                                                                        |
| Viscosity                   | Not Applicable                                                                                                        |

## 10. Stability and reactivity

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|                                     |                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Chemical Stability                  | Stable                                                                                                                 |
| Conditions to Avoid                 | Contact with powerful oxidizing agents such as fluorine, chlorine trifluoride, and oxygen difluoride may cause fires.  |
| Materials / Chemicals to Be Avoided | Contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires. |
| Hazardous Decomposition Products    | Will not occur                                                                                                         |
| Hazardous Polymerization            | Will not occur                                                                                                         |

## 11. Toxicological information

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|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation:  | <p>a. Silicosis: The prolonged repeated inhalation of respirable crystalline silica can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death.</p> <p>b. Lung Cancer: Crystalline silica is classified as carcinogenic to humans.</p> <p>c. Tuberculosis: Silicosis increases the risk of tuberculosis.</p> <p>d. Autoimmune and Chronic Kidney Diseases: Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica.</p> <p>e. Non-Malignant Respiratory Diseases (other than silicosis): Some studies show an increased incidence in chronic bronchitis and emphysema in workers exposed to respirable crystalline silica.</p> |
| Ingestion    | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Skin contact | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Eye contact: | Crystalline silica (sand or ground silica) may cause abrasion of the cornea.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## 12. Ecological information

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|                              |                                                                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ecotoxicological Information | Crystalline silica (quartz) is not known to be ecotoxic; i.e., no data suggests that crystalline silica (quartz) is toxic to birds, fish, invertebrates, microorganisms or plants. |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 13. Disposal considerations

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

|                                 |                                                                                                           |
|---------------------------------|-----------------------------------------------------------------------------------------------------------|
| Waste Disposal Method           | Discard any product, residue, disposable container or liner in full compliance with national regulations. |
| Container Handling and Disposal | Dispose of container and unused contents in accordance with national regulations.                         |

## 14. Transport information

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

NA

## 15. Regulatory information

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

NA

## 16. Other information

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