

1. Product and Company Identification

www.rxmarine.com

Product Name SILICA GEL WHITE

Product Type RXSOL-24-6014-025

Company Details:

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

Branch : Sikka, Kandla, Dahej , Hazira, JNPT, Goa, Mngalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Haldia, Kolkata, Fujairah

Phone +91 22 27815540 / 27815542

Fax +91 22 2781 1318 ::::AOH :0091 9821214367

Email 123@rxmarine.com

Website www.rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

| Name | CAS# | EC-No. | Molar mass |
|------------|-----------|-----------|-------------|
| Silica gel | 7631-86-9 | 231-545-4 | 60.08 g/mol |

3. Hazards Identification

www.rxmarine.com

| | |
|--|---|
| Classification of the substance or mixture | This substance is not classified as dangerous according to European Union legislation. |
| Precautionary statements | 2.2 Label elements Labelling (REGULATION (EC) No 1272/2008). P260 Do not breathe dust. |
| Other hazards | None known. |

4. First Aid Measures

www.rxmarine.com

| | |
|--|---|
| Description of first aid measures | After inhalation: fresh air. In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. After eye contact: rinse out with plenty of water. Remove contact lenses. After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. |
| Most important symptoms and effects, both acute and delayed | We have no description of any toxic symptoms. |
| Indication of any immediate medical attention and special treatment needed | No information available. |

5. Fire-fighting Measures

www.rxmarine.com

| | |
|---------------------|---|
| Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|---------------------|---|

| | |
|---|---|
| Unsuitable extinguishing media | For this substance/mixture no limitations of extinguishing agents are given. |
| Special hazards arising from the substance or mixture | Not combustible. Ambient fire may liberate hazardous vapours. |
| Advice for firefighters | Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus. |
| Further information | Suppress (knock down) gases/vapours/mists with a water spray jet. |

6. Accidental Release Measures

www.rxmarine.com

| | |
|---|--|
| Personal precautions, protective equipment and emergency procedures | Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: Protective equipment see section 8. |
| Environmental precautions | No special precautionary measures necessary. |
| Methods and materials for containment and cleaning up | Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts. |
| Reference to other sections | Indications about waste treatment see section 13. |

7. Handling and Storage

www.rxmarine.com

| | |
|--|---|
| Precautions for safe handling | Advice on safe handling Observe label precautions. Hygiene measures Change contaminated clothing. Wash hands after working with substance. |
| Conditions for safe storage, including any incompatibilities | Storage conditions. Tightly closed. Dry. |
| Specific end use(s) | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated. |

8. Exposure controls and personal protection

www.rxmarine.com

| | |
|----------------|---|
| Safety glasses | Hand protection |
| Full contact | Glove material: Nitrile rubber Glove thickness: 0.11 mm Break through time: > 480 min |
| splash contact | Glove thickness: 0.11 mm Break through time: > 480 min The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact). The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). |

Other protective equipment

Respiratory protection

Protective clothing

Required when dusts are generated.

Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective

devices are carried out according to the instructions of the producer.

These measures have to be

properly documented.

Environmental exposure controls

No special precautionary measures necessary



Gloves Suit

9. Physical and chemical properties

www.rxmarine.com

Form

Solid

Colour

White

Odour

Odourless

Odor Threshold

No information available

pH

ca. 7 at 100 g/l 20 °C (slurry)

Melting Point/Freezing Point

1,710 °C

Initial Boiling Point and Boiling Range

2,230 °C

Flash Point

Does not flash

Evaporation Rate

No information available.

Solid Flammability (solid, gas)

No information available

Explosion Limits

No information available

Flammability (solid, gas)

The product is not flammable.

Vapor Pressure

No information available

Relative Vapor density

No information available.

Density

No information available.

Relative density

No information available.

Water Solubility

at 20 °C insoluble

Partition coefficient:n-octanol/water

No information available

Auto-ignition temperature

No information available

Decomposition temperature

No information available

Viscosity

No information available

Explosive properties

Not classified as explosive.

Oxidizing properties

None

Ignition temperature

Not combustible

Bulk density

ca.200 - 800 kg/m³

Particle size

ca.0.2 - 1 mm

10. Stability and reactivity

www.rxmarine.com

| | |
|------------------------------------|--|
| Reactivity | See section 10.3 |
| Chemical stability | The product is chemically stable under standard ambient conditions (room temperature) . |
| Possibility of hazardous reactions | Exothermic reaction with: Hydrogen halides, halogen oxides, alkali hydroxides, sodium, xenon hexafluoride |
| Conditions to avoid | No information available |
| Incompatible materials | No information available |
| Hazardous decomposition products | In the event of fire: See section 5. |

11. Toxicological information

www.rxmarine.com

| | |
|---|---|
| Acute oral toxicity | This information is not available. |
| Acute inhalation toxicity | This information is not available. |
| Acute dermal toxicity | LD50 Rabbit: > 5,000 mg/kg (IUCLID) |
| Skin irritation | Rabbit Result: No irritation OECD Test Guideline 404 |
| Eye irritation | Rabbit Result: No eye irritation OECD Test Guideline 405 |
| Sensitisation | Guinea pig Result: negative (IUCLID) |
| Germ cell mutagenicity | Genotoxicity in vitro Ames test |
| Mutagenicity (mammal cell test) | Salmonella typhimurium Result: negative (IUCLID) |
| Carcinogenicity | Chromosome aberration. Result: negative (IUCLID) |
| Reproductive toxicity | This information is not available. |
| Teratogenicity | This information is not available. |
| Specific target organ toxicity - single exposure | This information is not available. |
| Specific target organ toxicity -repeated exposure | This information is not available. |
| Aspiration hazard | This information is not available. |
| Further information | This is a generally physiologically inert substance that displays no hazardous properties after oral intake and skin contact and after inhalation of its dusts as long as the total dust limit for silicic acid is adhered to. Intensive contact with the eye may lead to irritation symptoms. Hazardous properties cannot be excluded, but are relatively improbable due to the compound's poor water solubility. Handle in accordance with good industrial hygiene and safety practice. |

12. Ecological information

www.rxmarine.com

| | |
|------------------------------------|---|
| Toxicity | Toxicity to daphnia and other aquatic invertebrates EC0 Daphnia magna (Water flea): $\geq 10,000$ mg/l; 24 h OECD Test Guideline 202 Toxicity to algae IC50 Pseudokirchneriella subcapitata (green algae): 440 mg/l; 72 h (IUCLID) NOEC Pseudokirchneriella subcapitata (green algae): 60 mg/l; 72 h (IUCLID) |
| Persistence and degradability | No information available. |
| Bioaccumulative potential | Partition coefficient: n-octanol/water |
| Mobility in soil | No information available. |
| Results of PBT and vPvB assessment | PBT/vPvB assessment not available as chemical safety assessment not |

Other adverse effects

required/not conducted.

Discharge into the environment must be avoided.

13. Disposal considerations

www.rxmarine.com

Disposal considerations

Waste treatment methods

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

14. Transport information

www.rxmarine.com

DOT

Not regulated

TDG

Not regulated

Hazard Class

Not regulated

IATA

Not regulated

IMDG/IMO

Not regulated

15. Regulatory information

www.rxmarine.com

Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16. Other information

www.rxmarine.com

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 we 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 damages.

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.