Material Safety Data Sheet

SILICA GEL WHITE (RXSOL-24-6014-025)

1. Product and Company Identifaction

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
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Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

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

3. Hazards Identification

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

4. First Aid Measures

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

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

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

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

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	Protective clothing
Respiratory protection	Required when dusts are generated. Recommended Filter type: Filter P 1 (acc. to DIN 3181) for solid particles of inert substances The entrepeneur 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

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

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

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 Salmonella typhimurium Result: negative (IUCLID)
Mutagenicity (mammal cell test)	Chromosome aberration. Result: negative (IUCLID)
Carcinogenicity	This information is not available.
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

Toxicity	Toxicity to daphnia and other aquatic invertebrates EC0 Daphnia magna (Water flea): >= 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 required/not conducted.
Other adverse effects	Discharge into the environment must be avoided.

13. Disposal considerations

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

DOT	Not regulated
TDG	Not regulated
Hazard Class	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

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

16. Other information

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 damages.