# Material Safety Data Sheet

**Silica Gel White Desiccant** (RXSOL-25-6014-025)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | Silica Gel White Desiccant |
| Part Number | RXSOL-25-6014-025 |

Company Details:....

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

| | |
|---|---|
| Phone | +91 22 20871200 - 1400 |
| Fax | +91 22 27612100 :::AOH :0091 9821214367 |
| Email | mail@rxmarine.com |
| Website | www.rxmraine.com |


## 2. Composition / informationon ingredients

**Substances**

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|---|---|
| Molecular weight | 60,08 g/mol |
| CAS-No | 112926-00-8 |

No components need to be disclosed according to the applicable regulations.

## 3. Hazards Identification

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| Classification of the substance or mixture | Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008. |
| Label elements | Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 |
| Other hazards | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |

## 4. First Aid Measures

**Description of first aid measures**

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| **If inhaled** | After inhalation: fresh air. |
| **In case of skin contact** | In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| **In case of eye contact** | After eye contact: rinse out with plenty of water. Remove contact lenses. |
| **If swallowed** | After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. |
| **Most important symptoms and effects, both acute and delayed** | The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 |
| **Indication of any immediate medical attention and special treatment needed** | No data available |

## 5. Fire-fighting Measures

**Extinguishing media**

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| **Suitable 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** | Nature of decomposition products not known.<br>Not combustible.<br>Ambient fire may liberate hazardous vapours. |
| **Advice for firefighters** | In the event of fire, wear self-contained breathing apparatus. |
| **Further information** | None |

## 6. Accidental Release Measures

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| 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.<br>For personal protection see section 8. |
| Environmental precautions | Do not let product enter drains. |
| Methods and materials for containment and cleaning up | Cover drains. Collect, bind, and pump off spills. 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 | For disposal see section 13. |

## 7. Handling and Storage

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| Precautions for safe handling | For precautions see section 2.2. |
| Conditions for safe storage, including any incompatibilities | |
| Storage conditions | Tightly closed. Dry.<br>Recommended storage temperature see product label. |
| 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

**Control parameters**

**Ingredients with workplace control parameters**

**Exposure controls**

**Personal protective equipment**

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| Eye/face protection | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses |
| Skin protection | 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).<br>Full contact<br>Material: Nitrile rubber<br>Minimum layer thickness: 0,11 mm<br>Break through time: 480 min<br>Material tested:KCL 741 Dermatril® L<br><br>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).<br>Splash contact<br>Material: Nitrile rubber<br>Minimum layer thickness: 0,11 mm<br>Break through time: 480 min<br>Material tested:KCL 741 Dermatril® L |

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| Respiratory protection | Required when dusts are generated.<br>Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.<br>Recommended Filter type: Filter type P1<br><br>The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer.<br>These measures have to be properly documented. |
| Control of environmental exposure | Do not let product enter drains.. |

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

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|---|---|
| Appearance | Form: Solid<br>Color: white |
| Odor | No data available |
| Odor Threshold | No data available |
| pH | No data available |
| Melting point/freezing point | No data available |
| Initial boiling point and boiling range | 2.230 °C |
| Flammability (solid, gas) | No data available |
| Upper/lower flammability or explosive limits | No data available |
| Flash point | Not applicable |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper/lower flammability or explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density | No data available |
| Water solubility | No data available |
| Partition coefficient: n-octanol/water | No data available |
| Autoignition temperature | No data available |
| Decomposition temperature | No data available |
| Viscosity | Viscosity, kinematic: No data available<br>Viscosity, dynamic: No data available |
| Explosive properties | No data available |
| Oxidizing properties | No data available |
| Other safety information | |
| Bulk density | Ca.200 - 800 kg/m3 |
| Particle size | 2 mm |

## 10. Stability and reactivity

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| **Reactivity** | No data available |
| **Chemical stability** | The product is chemically stable under standard ambient conditions (room temperature) |
| **Possibility of hazardous reactions** | Exothermic reaction with:<br>Hydrogen halides<br>halogen oxides<br>alkali hydroxides<br>sodium<br>xenon hexafluoride |
| **Conditions to avoid** | No information available |

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| **Incompatible materials** | Strong acids |
| **Hazardous decomposition products** | In the event of fire: see section 5 |

## 11. Toxicological information

**Information on toxicological effects**

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|---|---|
| **Acute toxicity** | LD50 Oral - Rat - male and female - > 2.000 mg/kg<br>(OECD Test Guideline 420)<br><br>LC50 Inhalation - Rat - male and female - 4 h - > 5,05 mg/l<br>(OECD Test Guideline 403)<br>Remarks: (in analogy to similar products)<br><br>LD50 Dermal - Rat - male and female - > 2.000 mg/kg<br>(OECD Test Guideline 402)<br>Remarks: (in analogy to similar products)<br><br>The value is given in analogy to the following substances: disodium molybdate |
| **Skin corrosion/irritation** | Skin - Rabbit<br>Result: No skin irritation - 4 h<br>(OECD Test Guideline 404)<br>Remarks: (in analogy to similar products)<br>The value is given in analogy to the following substances: Molybdenum dioxide |
| Serious eye damage/eye irritation | Eyes - Rabbit<br>Result: No eye irritation<br>(OECD Test Guideline 405)<br>Remarks: (in analogy to similar products)<br>The value is given in analogy to the following substances: Molybdenum dioxide |
| Respiratory or skin sensitization | Maximization Test - Guinea pig<br>Result: negative<br>(OECD Test Guideline 406)<br>Remarks:<br>(in analogy to similar products) |
| Germ cell mutagenicity | Test Type: Micronucleus test<br>Test system: Human lymphocytes<br>Metabolic activation: with and without metabolic activation<br>Method: OECD Test Guideline 487<br>Result: negative<br>Remarks: (in analogy to similar products)<br>The value is given in analogy to the following substances: Disodium molybdate dihydrate<br>Test Type: Ames test<br>Test system: Escherichia coli/Salmonella typhimurium<br>Metabolic activation: with and without metabolic activation<br>Method: OECD Test Guideline 471<br>Result: negative<br>Remarks: (in analogy to similar products)<br>The value is given in analogy to the following substances: Disodium molybdate dihydrate<br>Test Type: In vitro mammalian cell gene mutation test<br>Test system: mouse lymphoma cells<br>Metabolic activation: with and without metabolic activation<br>Method: OECD Test Guideline 476<br>Result: negative<br>Remarks: (in analogy to similar products)<br>The value is given in analogy to the following substances: Disodium molybdate dihydrate |
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity - single exposure | No data available |
| Specific target organ toxicity - repeated exposure | No data available |
| **Aspiration hazard** | No data available |

## 12. Ecological information

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| Persistence and degradability | No data available |
| Toxicity to fish | Static test LC50 - Oncorhynchus mykiss (rainbow trout) - 75 mg/l - 96 h (OECD Test Guideline 203) |

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| Toxicity to daphnia and other aquatic invertebrates | Static test EC50 - Daphnia magna (Water flea) - 42,81 mg/l - 48 h (OECD Test Guideline 202) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid |
| Toxicity | Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 1.520 mg/l - 96 h |
| Toxicity to bacteria | EC10 - Bacteria - 14 mg/l - 72 h Remarks: (Lit.) EC5 - E.coli - 15.000 mg/l Remarks: (Lit.) (maximum permissible toxic concentration) |
| Toxicity to algae | Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 74,35 mg/l - 72 h (OECD Test Guideline 201) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid |
| Products Biodegradation | The methods for determining the biological degradability are not applicable to inorganic substances. |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. |
| Endocrine disrupting properties | No data available |
| Other adverse effects | No data available . |

## 13. Disposal considerations

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| Product | Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. |
| Contaminated packaging | Dispose of as unused product. |
| Waste treatment Method | 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

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| UN number | ADR/RID: | IMDG: | IATA: |
| UN proper shipping name | ADR/RID: Not dangerous goods<br>IMDG: Not dangerous goods<br>IATA: Not dangerous goods | | |
| Transport hazard class(es) | ADR/RID: | IMDG: | IATA: |
| Packaging group | ADR/RID: | IMDG: | IATA: |
| Environmental hazards | ADR/RID: no | IMDG Marine pollutant: no | IATA: no |
| Special precautions for user | No data available | | |
| Further information | Not classified as dangerous in the meaning of transport regulations. | | |

## 15. Regulatory information

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|---|---|
| Safety, health and environmental regulations/legislation specific for the substance or mixture | This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. |
| Other regulations | Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work. |
| Chemical Safety Assessment | For this product a chemical safety assessment was not carried out |

## 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 weassume 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.

Other Information

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