

## 1. Product and Company Identification

www.rxmarine.com

Product Name Silica Gel Blue 5 Gram

Part Number RXSOL-36-6015-025

Company Details:....

RX MARINE INTERNATIONAL  
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Website[www.rxmarine.com](http://www.rxmarine.com)

## 2. Composition / Information on ingredients

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**Substance**

FormulaSiO<sub>2</sub>

CAS-No. 112926-00-8

EC-No.231-545-4

## 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

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**Description of first aid measures**

**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

### Extinguishing media

**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

Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

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silicon oxides

Not combustible.

Ambient fire may liberate hazardous vapours.

### Advice for firefighters

In the event of fire, wear self-contained breathing apparatus

### Further information

Suppress (knock down) gases/vapors/mists with a water spray jet.

spray to keep fire-exposed containers cool. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

## 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. For personal protection 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** 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.

**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

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**Control parameters**

**Ingredients with workplace control parameters**

**Exposure controls**

**Personal protective equipment**

**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](http://www.kcl.de)).

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Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

### **Respiratory protection**

required when dusts are generated.

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.

Recommended Filter type: Filter type P1

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.

**Control of environmental exposure** No special precautionary measures necessary

## **9. Physical and chemical properties**

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### **Appearance**

**Physical state**Liquid. [COLORLESS LIQUID]

**Colour**Colorless

**Odor**Characteristic.

**Odor Threshold**Not available.

**pH**Not available.

**Melting Point**<-50°C (<-58°F)

**Boiling Point**64°C (147.2°F)

**Critical temperature**230.85°C (447.5°F)

**Flash point**Closed cup: -26°C (-14.8°F)

**Evaporation rate**Not available.

**Flammability (solid, gas)**

Extremely flammable in the presence of the following materials or conditions: oxidizing materials. Extremely flammable in the presence of the following materials or conditions: oxidizing materials.

**Lower and upper explosive (flammable) limits**

Lower: 1.2% Upper: 6.9%

**Vapor pressure**20.2 kPa (151.5 mm Hg) [room temperature]

**Vapor density**2.9 (Air = 1)

**Specific Volume (ft<sup>3</sup> /lb)**1.4854

**Gas Density (lb/ft<sup>3</sup>)**0.6732 (20°C / 68 to °F)

**Relative density**0.67

**Solubility**Not available.

**Solubility in water**0.05 g/l

**Partition coefficient: noctanol/water**3.87

**Auto-ignition temperature**253°C (487.4°F)

**Decomposition temperature** Not available

**Viscosity** Dynamic (room temperature): 0.25 mPa·s (0.25 cP)

**Flow time (ISO 2431)**Not available.

**Molecular weight**84.18 g/mole

**Aerosol product**

**Heat of combustion** -44505684 J/kg

## 10. Stability and reactivity

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**Reactivity** No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**The product is stable.

**Possibility of hazardous reactions**Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid**Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

**Incompatible materials**

Reactive or incompatible with the following materials: oxidizing materials

**Hazardous decomposition products**Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Hazardous polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11. Toxicological information

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### Information on toxicological effects

#### Acute toxicity

**Product/ingredient name**-1-Hexene

**Result**-LC50 Inhalation Gas.

**Species**-Rat

**Dose**-32000 ppm

**Exposure**-4 hours

**Skin corrosion/irritation**Not available.

**sensitization** Not available

**mutagenicity** Not available

**Carcinogenicity**Not available

#### Reproductive toxicity

Not available

**Teratogenicity**Not available

**Specific target organ toxicity (single exposure)**Not available.

**Specific target organ toxicity (repeated exposure)**Not available.

**Aspiration hazard**Not available.

**Information on the likely routes of exposure** Not available.

#### Potential acute health effects

**Eye contact** No known significant effects or critical hazards.

**Inhalation**No known significant effects or critical hazards.

**Skin contact**No known significant effects or critical hazards.

**Ingestion** No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** No specific data.

**Inhalation**No specific data.

**Skin contact**No specific data.

**Ingestion**No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

##### Short term exposure

**Potential immediate effects** Not available.

**Potential delayed effects**Not available.

**Long term exposure**

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

**Potential chronic health effects**

Not 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)

**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** propertiesNo 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** MethodSee [www.retrologistik.com](http://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 numberADR/RID:2404      IMDG:2404      IATA: 2404

UN proper shipping name ADR/RID:PROPIONITRILE    IMDG:PROPIONITRILE IATA:PROPIONITRILE

Transport hazard class(es)    ADR/RID: 3 (6.1)      IMDG: 3 (6.1)      IATA:3 (6.1)

Packaging groupADR/RID: II      IMDG: II    IATA:II

Environmental hazardsADR/RID: No      IMDG: No      IATA: No

Special precautions for userNo data available

Further informationNot 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 mixtureThis material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other regulationsObserve 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 AssessmentFor this product a chemical safety assessment was not carried out

## 16. Other information

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### 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.

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