

## 1. Product and Company Identification

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Product Name Calcium Nitrite  
Part Number RXSOL-67-6721-025

### Company Details:....

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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### Mixtures

Molecular weight 132,09 g/mol

## 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 No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

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.

Ecological information:  
  
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information:  
  
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of

## 4. First Aid Measures

### Description of first aid measures

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

## 5. Fire-fighting Measures

### Extinguishing media

Suitable extinguishing media	Foam Carbon dioxide (CO <sub>2</sub> ) Dry powder
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.  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.  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

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the ground. Vapors may accumulate in low or confined areas or travel a considerable

distance to a source of ignition and flash back.

Nitrogen oxides (NOx)

Calcium oxide

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

Advice for firefighters

Further information

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

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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.

Environmental precautions

For personal protection see section 8.

Methods and materials for containment and cleaning up

Do not let product enter drains.

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

Recommended storage temperature see product label.

Recommended storage temperature see product label. Tightly closed.

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

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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)).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

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)).

Splash contact

Material: Nitrile rubber

Respiratory protection

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested:KCL 741 Dermatril® L

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.

Do not let product enter drains..

Control of environmental exposure

## 9. Physical and chemical properties

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### Information on basic physical and chemical properties

Physical state

liquid

Color

No data available

Odor

No data available

Melting point/freezing point

No data available

Initial boiling point and boiling range

No data available

Flammability (solid, gas)

No data available

Upper/lower flammability or explosive limits

No data available

Flash point

110 °C - closed cup

Autoignition temperature

No data available

Decomposition temperature

No data available

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

materials.

pH

No data available

Viscosity

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Water solubility

256,084 g/l at 25 °C - OECD Test Guideline 105- completely soluble

Partition coefficient: n-octanol/water

log Pow: -0,698 at 30 °C - Bioaccumulation is not expected., (ECHA)

Vapor pressure

< 0,1 hPa at 20 °C

Density

1,116 g/cm<sup>3</sup> at 20 °C at 975,5 hPa - OECD Test Guideline 109

Relative density

No data available

Relative vapor density

No data available

Particle characteristics

No data available

Explosive properties

No data available

Oxidizing properties	None
<b>Other safety information</b>	
Bulk density	400 - 500 kg/m <sup>3</sup>

## 10. Stability and reactivity

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<b>Reactivity</b>	Forms explosive mixtures with air on intense heating.  A range from approx. 15 Kelvin below the flash point is to be rated as critical.
<b>Chemical stability</b>	The product is chemically stable under standard ambient conditions (room temperature)
<b>Possibility of hazardous reactions</b>	Violent reactions possible with:  The generally known reaction partners of water.
<b>Conditions to avoid</b>	Heat. Strong heating.
<b>Incompatible materials</b>	Reducing agents, Acids, Activated carbon, Ammonium salts, Cyanides
<b>Hazardous decomposition products</b>	In the event of fire: see section 5

## 11. Toxicological information

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### Information on toxicological effects

<b>Acute toxicity</b>	Oral: No data available  Inhalation: No data available  Dermal: No data available
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

## 12. Ecological information

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<b>Persistence and degradability</b>	No data available
<b>Toxicity to fish</b>	Static test LC50 - Oncorhynchus mykiss (rainbow trout) - 75 mg/l - 96 h (OECD Test Guideline 203)
<b>Toxicity to daphnia and other aquatic invertebrates</b>	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
<b>Toxicity</b>	Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 1.520 mg/l - 96 h
<b>Toxicity to bacteria</b>	EC10 - Bacteria - 14 mg/l - 72 h Remarks: (Lit.) EC5 - E.coli - 15.000 mg/l Remarks: (Lit.) (maximum permissible toxic concentration)
<b>Toxicity to algae</b>	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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Waste treatment Method	No data available
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### 14. Transport information

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UN number	ADR/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 group	ADR/RID: II IMDG: II IATA:II
Environmental hazards	ADR/RID: No IMDG: 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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<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
<b>Chemical Safety Assessment</b>	For this product a chemical safety assessment was not carried out

### 16. Other information

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Other Information	<p>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.</p> <p><b>DISCLAIMER OF LIABILITY :</b>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.</p>
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