

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6604-028  
Product Type ? - CYCLODEXTRIN  
Revised date

### Company Details:

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

www.rxmarine.com

3.1 Substances : ? - Cyclodextrin

CAS-No. : 7585-39-9

Substance.

Contains no other components or impurities which will influence the classification of the product.

## 3. Hazards Identification

www.rxmarine.com

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 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.

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 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

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5. Fire-fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

### 5.4 Further information

No data available

## 6. Accidental Release Measures

[www.rxmarine.com](http://www.rxmarine.com)

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust. For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials

for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## 7. Handling and Storage

[www.rxmarine.com](http://www.rxmarine.com)

### 7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non Combustible Solids

### 7.3 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](http://www.rxmarine.com)

### 8.1 Control parameters

### 8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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## 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).

### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Do not let product enter drains.

## 9. Physical and chemical properties

[www.rxmarine.com](http://www.rxmarine.com)

### 9.1 Information on basic physical and chemical properties

Odour Threshold : No data available

pH : No data available

Melting point/freezing point

Melting point/range: 290 - 300 °C

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Initial boiling point and boiling range : No data available

Flash point : No data available

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits : No data available

Vapour pressure : No data available

Vapour density: No data available

Relative density 1.44 g/cm<sup>3</sup> at 20 °C

Water solubility 14.3 g/l at 20 °C: - soluble

Partition coefficient: noctanol/ water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : > 250 °C

- Viscosity : No data available

Explosive properties :No data available

Oxidizing properties: No data available

## 9.2 Other safety information

Bulk density 400 - 700 kg/m<sup>3</sup>

Burning rate

# 10. Stability and reactivity

[www.rxmarine.com](http://www.rxmarine.com)

## 10.1 Reactivity

No data available

## 10.2 Chemical stability

Stable under recommended storage conditions.

## 10.3 Possibility of hazardous reactions

No data available

## 10.4 Conditions to avoid

No data available

## 10.5 Incompatible materials

Strong oxidizing agents

## 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

## 11. Toxicological information

[www.rxmarine.com](http://www.rxmarine.com)

### 11.1 Information on toxicological effects Acute toxicity

LD50 Oral - Rat - male and female - > 5,000 mg/kg(?-Cyclodextrine)

(OECD Test Guideline 401)

LC50 Inhalation - Rat - male and female - 4 h -  $\geq$  4.9 mg/l(?-Cyclodextrine)

(OECD Test Guideline 403)

LD50 Dermal - Rat - male and female - > 2,000 mg/kg(?-Cyclodextrine)

(OECD Test Guideline 402)

Skin corrosion/irritation

Skin -Rabbit (?-Cyclodextrine)

Result: No skin irritation - 24 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit(?-Cyclodextrine)

Result: Mild eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitisation

Maximisation Test - Guinea pig(?-Cyclodextrine)

Result: Does not cause skin sensitisation.

(OECD Test Guideline 406)

Germ cell mutagenicity

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.(?Cyclodextrine)

Hamster(?-Cyclodextrine)

Lungs

Result: negative

OECD Test Guideline 477(?-Cyclodextrine)

Drosophila melanogaster - male and female

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Result: negative

#### Carcinogenicity

Animal testing did not show any carcinogenic effects.(?-Cyclodextrine)

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

Specific target organ toxicity - single exposure

No data available(?-Cyclodextrine)

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available(?-Cyclodextrine)

#### Additional Information

Repeated dose toxicity - Rat - male - Oral - No observed adverse effect level - 650 mg/kg(?-Cyclodextrine)

Repeated dose toxicity - Rat - female - Oral - No observed adverse effect level - 860 mg/kg(?- Cyclodextrine)

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(?-Cyclodextrine)

## 12. Ecological information

[www.rxmarine.com](http://www.rxmarine.com)

### 12.1 Toxicity

Toxicity to fish static test LC50 - Cyprinus carpio (Carp) - 7,561 mg/l - 96 h(?)

Cyclodextrine)

(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Immobilization EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h(?)

Cyclodextrine)

(OECD Test Guideline 202)

Toxicity to algae Growth inhibition IC50 - Desmodesmus subspicatus (green algae) - >

100 mg/l - 72 h(?-Cyclodextrine)

(OECD Test Guideline 201)

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Toxicity to bacteria Cell multiplication inhibition test EC50 - Pseudomonas putida - >

10,000 mg/l - 16 h(?-Cyclodextrine)

#### 12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 28 d(?-Cyclodextrine)

Result: 75 % - Readily biodegradable

(OECD Test Guideline 301F)

Biochemical Oxygen

Demand (BOD)

700 mg/g(?-Cyclodextrine)

Chemical Oxygen

Demand (COD)

1,090 mg/g(?-Cyclodextrine)

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available(?-Cyclodextrine)

#### 12.5 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.

#### 12.6 Other adverse effects

Additional ecological information No data available

## 13. Disposal considerations

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#### 13.1 Waste treatment methods Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

Contaminated packaging

Dispose of as unused product.

## 14. Transport information

[www.rxmarine.com](http://www.rxmarine.com)

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14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

ADR - Packing instructions : P001

ADR - Limited Quantity : 1 L

ADR - Tunnel code : D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and

E. Other carriage: Passage forbidden through tunnels of category E.

14.2. Sea transport (IMDG) [English only]

Proper shipping name : ACETIC ACID,

UN N° : 2789

IMO-IMDG - Class or division : 8 : Corrosive substance. ( 3 : Flammable liquid. )

IMO-IMDG - Packing group : II

IMO- IMDG - Packing instructions : P001

IMO-IMDG - Limited quantities : 1 L

IMO-IMDG - Marine pollution : No

EMS-Nr : F-E S-C

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : ACETIC ACID

UN N° : 2789

IATA - Class or division : 8 : Corrosive substance. ( 3 : Flammable liquid. )

IATA - Packing group : II

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IATA - Passenger and Cargo Aircraft : ALLOWED

- Passenger and Cargo - Packing : 851

instruction

- Passenger and Cargo - Maximum : 1 L

Quantity/Packing

IATA - Cargo only : ALLOWED

- Cargo only - Packing instruction : 855

- Cargo only - Maximum Quantity/ : 30 L

Packing

IATA - Limited Quantities : 0.5 L

ERG-Nr : 8F

## 15. Regulatory information

[www.rxmarine.com](http://www.rxmarine.com)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

## 16. Other information

[www.rxmarine.com](http://www.rxmarine.com)

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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