

## 1. Product and Company Identification

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Product Name ISO PROPYL MYRISTATE

Part Number RXSOL-19-6604-050

Company Details:....

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

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### Substances

Synonyms Myristic acid isopropyl ester  
Isopropyl tetradecanoate

Formula  $C_{17}H_{34}O_2$

Molecular weight 270,45 g/mol

CAS-No. 110-27-0

EC-No 203-751-4

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

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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** No data available

## 5. Fire-fighting Measures

### Extinguishing media

#### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>) Foam 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.

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distance to a source of ignition and flash back.

Carbon oxides

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**

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

**Further information**

None

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: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. 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 with liquid-absorbent material (e.g. Chemizorb®).

Dispose of properly. Clean up affected area.

**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.

**Storage class**

Storage class (TRGS 510): 10: Combustible liquids

**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: 0,4 mm

Break through time: 480 min

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

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Internet: [www.kcl.de](http://www.kcl.de)).

Splash contact

Material: Chloroprene

Minimum layer thickness: 0,65 mm

Break through time: 30 min

Material tested: KCL 720 Camapren®

Not required; except in case of aerosol formation.

Do not let product enter drains.

**Respiratory protection**

**Control of environmental exposure**

## 9. Physical and chemical properties

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**Physical state**

liquid

**Colour**

No data available

**Odor**

No data available

**Melting point/freezing point**

Melting point/range: 3 °C - lit.

**Initial boiling point and boiling range**

193 °C at 27 hPa - lit.

**Flammability (solid, gas)**

No data available

**Upper/lower flammability or explosive limits**

No data available

**Flash point**

> 150 °C - open cup

**Autoignition temperature**

No data available

**Decomposition temperature**

No data available

**pH**

No data available

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

**materials.**

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

No data available

No data available

No data available

0,85 g/cm<sup>3</sup> at 25 °C - lit.

No data available

No data available

No data available

No data available

None.

Viscosity

Water solubility

Partition coefficient: n-octanol/water

Vapor pressure

Density

Relative density

Relative vapor density

Particle characteristics

Explosive properties

Oxidizing properties

## 10. Stability and reactivity

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Reactivity

Forms explosive mixtures with air on intense heating.

A range from approx. 15 Kelvin below the flash point is to be rated as critical.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

Possibility of hazardous reactions

Violent reactions possible with:

Oxidizing agents

Strong heating.

Conditions to avoid

No data available

Incompatible materials

Hazardous decomposition products

In the event of fire: see section 5

## 11. Toxicological information

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### Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - > 10.000 mg/kg

Remarks: (IUCLID)

Inhalation: No data available

LD50 Dermal - Rabbit - > 5.000 mg/kg

Remarks: (IUCLID)

Skin - Rabbit

Skin corrosion/irritation

Result: slight irritation  
(OECD Test Guideline 404).

Serious eye damage/eye irritation

Eyes - Rabbit

Result: slight irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization

Patch test: - Human

Result: negative

Remarks: (IUCLID)

Sensitisation test (Magnusson and Kligman):

Result: negative

Remarks: (IUCLID)

Test Type: Ames test

Result: negative

Remarks: (IUCLID)

No data available

No data available

No data available

No data available

No data available

#### Germ cell mutagenicity

#### Carcinogenicity

#### Reproductive toxicity

#### Specific target organ toxicity - single exposure

#### Specific target organ toxicity - repeated exposure

#### Aspiration hazard

## 12. Ecological information

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### Toxicity

Toxicity to fish

LC50 - Danio rerio (zebra fish) - 8.400 mg/l - 96 h

Remarks: (IUCLID)

Toxicity to daphnia and other aquatic invertebrates

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

(OECD Test Guideline 202)

Toxicity to algae

IC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h

(OECD Test Guideline 201)

Toxicity to bacteria

EC0 - Pseudomonas putida - > 10.000 mg/l - 30 min

(OECD Test Guideline 209)

### Persistence and degradability

Biodegradability

Result: 63 - 91 % - Readily biodegradable.

(OECD Test Guideline 301D)

Remarks: (IUCLID)

No data available

No data available

### Bioaccumulative potential

### Mobility in soil

### 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

### Product

Assessment

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.

### Other adverse effects

No ecological problems are to be expected when the product is handled and used with due care and attention.

### 13. Disposal considerations

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Waste treatment methods

No data available

### 14. Transport information

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UN number

ADR/RID: IMDG: IATA:

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

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

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.

Chemical Safety Assessment

For 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 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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