

## 1. Product and Company Identification

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Product Name STARCH POTATO  
Part Number RXSOL-60-6606-604

### 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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### Substances

Synonyms Starch from potato, Soluble  
Formula  $(C_6H_{10}O_5)_n$   
CAS-No 9005-25-8  
EC-No. 232-679-6

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 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 0.1% or higher.

May form explosible dust-air mixture if dispersed.

## 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

## 5. Fire-fighting Measures

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### 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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distance to a source of ignition and flash back.

Carbon oxides

Combustible.

Risk of dust explosion.

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.

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

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

Conditions for safe storage, including any incompatibilities

For precautions see section 2.2.

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Recommended storage temperature see product label.Tightly closed.

Recommended storage temperature see product label.

Tightly closed. Dry.

Storage class (TRGS 510): 11: Combustible Solids

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

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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

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..

Respiratory protection

Control of environmental exposure

## 9. Physical and chemical properties

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### Information on basic physical and chemical properties

Physical state

Solid

Color

White

Odor

No data available

Melting point/freezing point

No data available

Initial boiling point and boiling range

No data available

Flammability (solid, gas)

May form combustible dust concentrations in air.

Upper/lower flammability or explosive limits

Not applicable

Flash point

No data available

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

No data available

Partition coefficient: n-octanol/water

No data available

Vapor pressure

No data available

|                          |                        |
|--------------------------|------------------------|
| Density                  | 0,14 g/cm <sup>3</sup> |
| Relative density         | No data available      |
| Relative vapor density   | No data available      |
| Particle characteristics | No data available      |
| Explosive properties     | No data available      |
| Oxidizing properties     | None                   |
| Other safety information | No data available      |

## 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 | No data available                                                                     |
| Conditions to avoid                | No information available                                                              |
| Incompatible materials             | Strong acids                                                                          |
| Hazardous decomposition products   | In the event of fire: see section 5                                                   |

## 11. Toxicological information

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### Information on toxicological effects

|                                   |                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute toxicity                    | Oral: No data available<br><br>Inhalation: No data available<br><br>Dermal: No data available<br>Skin - Rabbit<br><br>Result: No skin irritation - 4 h<br><br>(OECD Test Guideline 404)<br><br>Remarks: (in analogy to similar products)<br><br>The value is given in analogy to the following substances: Molybdenum dioxide |
| Skin corrosion/irritation         | Eyes - Rabbit<br><br>Result: No eye irritation<br><br>(OECD Test Guideline 405)<br><br>Remarks: (in analogy to similar products)<br><br>The value is given in analogy to the following substances: Molybdenum dioxide                                                                                                         |
| Serious eye damage/eye irritation | Eyes - Rabbit<br><br>Result: No eye irritation<br><br>(OECD Test Guideline 405)<br><br>Remarks: (in analogy to similar products)<br><br>The value is given in analogy to the following substances: Molybdenum dioxide                                                                                                         |
| Respiratory or skin sensitization | Maximization Test - Guinea pig<br><br>Result: negative<br><br>(OECD Test Guideline 406)<br><br>Remarks:<br><br>(in analogy to similar products)                                                                                                                                                                               |
| Germ cell mutagenicity            | Test Type: Micronucleus test                                                                                                                                                                                                                                                                                                  |

Test system: Human lymphocytes

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 487

Result: negative

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Disodium molybdate dihydrate

Test Type: Ames test

Test system: Escherichia coli/Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Disodium molybdate dihydrate

Test Type: In vitro mammalian cell gene mutation test

Test system: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative

Remarks: (in analogy to similar products)

The value is given in analogy to the following substances: Disodium molybdate dihydrate

No data available

No data available

No data available

No data available

No data available

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

**Aspiration hazard**

## 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)

Toxicity

The value is given in analogy to the following substances: maleic acid

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 Biodegradation            | products) The value is given in analogy to the following substances: maleic acid                                                                                                                   |
| Mobility in soil                   | The methods for determining the biological degradability are not applicable to inorganic substances.                                                                                               |
| Results of PBT and vPvB assessment | No data available                                                                                                                                                                                  |
| Endocrine disrupting properties    | 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. |
| Other adverse effects              | No data available                                                                                                                                                                                  |
|                                    | 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 <a href="http://www.retrologistik.com">www.retrologistik.com</a> 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                                         |
|                              | 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: 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

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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 |
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