

1. Product and Company Identification

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Product Name: Polyethylene Glycol 600 PEG 600
Part Number: RXSOL-81-8123-600

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Substances

Formula: (C₂H₄O)_nH₂O
CAS-No: 25322-68-3
EC-No.: 500-038-2

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 needed No data available

5. Fire-fighting Measures

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Extinguishing media

Suitable extinguishing media

Water Foam Carbon dioxide (CO₂) 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.

Nature of decomposition products not known.

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.

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.

Reference to other sections

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.

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. Tightly closed.

Storage conditions

Recommended storage temperature see product label.

Tightly closed. Dry.

Storage class

Recommended storage temperature see product label.

Specific end use(s)

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).

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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Internet: 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..

9. Physical and chemical properties

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Information on basic physical and chemical properties

Physical state	Wax-like
Color	colorless
Odor	No data available
Melting point/freezing point	Freezing point: < -14,08 °C at 973,5 hPa - (ECHA)
Initial boiling point and boiling range	205,7 °C at 977,6 hPa - OECD Test Guideline 103
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	138,6 °C - closed cup
Autoignition temperature	360 °C
Decomposition temperature	No data available
	materials. Extremely flammable in the presence of the following materials or conditions: oxidizing
pH	materials.
Viscosity	No data available
Water solubility	Viscosity, kinematic: No data available
Partition coefficient: n-octanol/water	Viscosity, dynamic: No data available
Vapor pressure	256,084 g/l at 25 °C - OECD Test Guideline 105- completely soluble
Density	log Pow: -0,698 at 30 °C - Bioaccumulation is not expected., (ECHA)
Relative density	< 0,1 hPa at 20 °C
Relative vapor density	1,116 g/cm3 at 20 °C at 975,5 hPa - OECD Test Guideline 109
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other safety information	None
	No data available

10. Stability and reactivity

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Reactivity

Forms explosive mixtures with air on intense heating.

Chemical stability

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

Possibility of hazardous reactions

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

Violent reactions possible with:

Conditions to avoid

Strong oxidizing agents

Incompatible materials

Strong heating.

Hazardous decomposition products

No information available

In the event of fire: see section 5

11. Toxicological information

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Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - female - > 2.000 mg/kg

(OECD Test Guideline 423)

	Inhalation: No data available
	LD50 Dermal - Rat - male and female - > 2.000 mg/kg
	(OECD Test Guideline 402)
Skin corrosion/irritation	Skin - Rabbit
	Result: No skin irritation - 4 h
	(OECD Test Guideline 404)
Serious eye damage/eye irritation	Eyes - Rabbit
	Result: No eye irritation - 24 h
	(OECD Test Guideline 405)
Respiratory or skin sensitization	Sensitisation test: - Guinea pig
	Result: Not a skin sensitizer.
	(OECD Test Guideline 406)
Germ cell mutagenicity	Test Type: Ames test
	Test system: <i>S. typhimurium</i>
	Metabolic activation: with and without metabolic activation
	Method: OECD Test Guideline 471
	Result: negative
	Test Type: gene mutation test
	Test system: Chinese hamster ovary cells
	Metabolic activation: with and without metabolic activation
	Method: OECD Test Guideline 476
	Result: negative
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

12. Ecological information

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Persistence and degradability	No data available
Toxicity to fish	Static test LC50 - <i>Oncorhynchus mykiss</i> (rainbow trout) - 75 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - <i>Daphnia magna</i> (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 - <i>Pimephales promelas</i> (fathead minnow) - 1.520 mg/l - 96 h
Toxicity to bacteria	EC10 - Bacteria - 14 mg/l - 72 h Remarks: (Lit.) EC5 - <i>E.coli</i> - 15.000 mg/l Remarks: (Lit.) (maximum permissible toxic concentration)
Toxicity to algae	Static test ErC50 - <i>Pseudokirchneriella subcapitata</i> (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 methods	
Product	See 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 number	ADR/RID: IMDG: IATA:
UN proper shipping name	ADR/RID: Not dangerous goods
Transport hazard class(es)	IMDG: Not dangerous goods
Packaging group	IATA: Not dangerous goods
Environmental hazards	ADR/RID: IMDG: IATA:
Special precautions for user	ADR/RID: IMDG: IATA:
Further information	ADR/RID: no IMDG Marine pollutant: no IATA: no
	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	<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>DISCLAIMER OF LIABILITY :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</p>
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