

## 1. Product and Company Identification

www.rxmarine.com

Product Name Partial Hydrolyzed Polyacrylamide PHPA  
Part Number RXSOL-40-1534-025

### Company Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
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## 2. Composition / Information on ingredients

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### Substances

Synonyms PAM  
Formula  $(C_3H_5NO)_n$   
CAS-No. 9003-05-8

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.  
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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If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
In case of skin contact Wash off with soap and plenty of water.  
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.  
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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Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Carbon oxides
	Nitrogen oxides (NOx)
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data available

## 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental precautions	For personal protection see section 8.
Methods and material for containment and cleaning up	No special environmental precautions required.
Reference to other sections	Sweep up and shovel. Keep in suitable, closed containers for disposal.
	For disposal see section 13.

## 7. Handling and Storage

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Precautions for safe handling	
Advice on protection against fire and explosion	Provide appropriate exhaust ventilation at places where dust is formed.
Hygiene measures	General industrial hygiene practice.
	For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities	
Storage conditions	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
	Hygroscopic.
Storage class	Storage class (TRGS 510): 13: Non Combustible Solids
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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### 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	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 EN 16523-1 please
	contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell,
	Internet: <a href="http://www.kcl.de">www.kcl.de</a> ).
	Full contact
	Material: butyl-rubber

Minimum layer thickness: 0,7 mm

Break through time: 480 min

Material tested: Butoject® (KCL 898)

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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: Viton®

Minimum layer thickness: 0,7 mm

Break through time: 60 min

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

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 is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

No special environmental precautions required.

Body Protection

Respiratory protection

Control of environmental exposure

## 9. Physical and chemical properties

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Physical state

Solid

Color

No data available

Odor

No data available

Melting point/freezing point

Melting point/range: 246 - 250 °C

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

No data available

Flash point

Not applicable

Autoignition temperature

No data available

Decomposition temperature

No data available

pH

No data available

Viscosity

No data available

Water solubility

No data available

Partition coefficient: n-octanol/water

No data available

Vapor pressure

No data available

Density

0,750 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	No data available
Other safety information	No data available

## 10. Stability and reactivity

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Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	In the event of fire: see section 5

## 11. Toxicological information

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Acute toxicity	LD50 Oral - Rat - > 1.000 mg/kg  Inhalation: No data available  Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
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
Additional Information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. Ecological information

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Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
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 Disposal Methods	
Product	Offer surplus and non-recyclable solutions to a licensed disposal company.

## 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: yes IMDG Marine pollutant: yes 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	<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 we 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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