

## 1. Product and Company Identification

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Product Name RXSOL PEROX H  
Part Number RXSOL-12-1239-025

Company Details:....

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

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### Substances

Not applicable

### Mixtures

#### Hazardous ingredients & water

CAS No	EC No	Name	[%]	Classification according to 67/548/EEC
7722-84-1	231-765-0	hydrogen peroxide solution ...%	35	R5; O R8; C R35; Xn R20/22
7732-18-5	231-791-2	water	65	

## 3. Hazards Identification

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Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]] Hazard classes and Hazard categories  
Hazard Statements  
Classification procedure  
Ox. Liq. 2 H272  
Acute Tox. 4 H302  
Acute Tox. 4 H332  
Skin Corr. 1B H314  
STOT SE 3 H335

Aquatic Chronic 3 H412

#### Additional hints

The preparation is classified as hazardous according Directive 1999/45/EC.

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

This mixture is classified as hazardous according to Regulation (EC) No 1272/2008 [GHS].

#### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

##### Danger

H272 May intensify fire; oxidiser. Hazard statements for health hazards H302 + H332 Harmful if swallowed or if inhaled. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation. Hazard statements for environmental hazards H412 Harmful to aquatic life with long lasting effects.

General P102 Keep out of reach of children. Prevention P280 Wear protective gloves/protective clothing/eye protection/face protection. Response P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. Disposal P501 Contents / container hand over to an approved waste disposal facility.

hydrogen peroxide solution

Special rules for labelling of plant protection products To avoid risks to human health and the environment, comply with the instructions for use.

No information available.

Signal word

Hazard statements for health hazards

Precautionary Statements

Hazardous ingredients for labeling

Additional information

Other hazards

## 4. First Aid Measures

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General information

If threatening unconsciousness, position and transport in recovery position. Remove contaminated soaked clothing immediately and dispose it safely. In the event of persistent symptoms receive medical treatment. Adhere to personal protective measures when giving first aid.

In case of inhalation

Remove the casualty into fresh air and keep him immobile. In the event of symptoms refer for medical treatment.

In case of skin contact

Rinse with plenty of water. In case of contact with skin wash off immediately with soap and water. Remove contaminated clothing immediately, even underwear and shoes. Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice. In case of ingestion Do not induce vomiting. If swallowed seek medical advice immediately and show the doctor packing or label. Rinse out mouth thoroughly with water. Give plenty of water to drink in small sips.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

No information available.

## 5. Fire-fighting Measures

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Suitable extinguishing media

Fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

Dry fire-extinguishing substance

Dry powder

water mist

Full water jet

Unsuitable extinguishing media

5.2. Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

In fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

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

Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Cool endangered containers with water spray jet.

## 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Avoid contact with skin and eyes. Ensure adequate ventilation. Remove persons to safety. Use personal protective clothing.

Environmental Precaution

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).

Methods and materials for containment and cleaning up

Ensure adequate ventilation. Send in suitable containers for recovery or disposal. Take up with absorbent material (e.g. general-purpose binder). Do not take up with sawdust or other combustible materials.

Additional Information

Informations for safe handling see chapter 7. Informations for personal protective equipment see chapter 8. Informations for disposal see chapter 13.

Reference to other sections

No information available.

## 7. Handling and Storage

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Advice on safe handling

Avoid contact with skin and eyes.

Keep container tightly closed.

Use personal protective clothing.

At work do not eat, drink and smoke.

Remove contaminated soaked clothing immediately.

Do not use without breathing apparatus longer than 30 minutes per day. If you use longer, use breathing

apparatus (Kap. 8.2)

General protective measures

Take the usual precautions when handling with chemicals.

Avoid contact with eyes and skin

Take the usual precautions when handling chemicals.

Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink and smoke. Remove soiled or soaked clothing immediately. Keep away from food and drink. Wash hands before breaks and after work. Advice on protection against fire and explosion The product is not combustible, but supports burning.

Requirements for storage rooms and vessels

Keep out of the reach of children. Keep in closed original container. Ventilate store-rooms thoroughly

Advice on storage compatibility

Do not store with acids, alkalies or combustible materials. Do not store with oxidizing agents. Do not store together with food.

Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully. Protect from direct solar radiation.

Specific end use(s)

No information available.

## 8. Exposure controls and personal protection

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### Control parameters

#### Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
7722-84-1	hydrogen peroxide	MAK, 8 hours	0.71	0.5	DFG, OSHA
		Short-term	0.71	0.5	

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
No information available					

### Exposure controls

Respiratory protection

If ventilation insufficient, wear respiratory protection. Short term: filter apparatus, special gas filter, NO-P3

Hand protection

Permeationslevel 6 Penetrationslevel acc. to EN374:3 Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: nitrile rubber or butyle rubber; 0,5 mm; ca 480 Min. Please observe the glove manufacturer's instructions on permeability and ruptur times as well as the specific workplace conditions.

Eye protection

safety goggles with side protection

Other protection measures

protective clothing, rubber light protective clothing, antistatic

Appropriate engineering controls

Care for thorough room ventilation, if necessary provide local air ventilation. Keep away from sources of ignition - No smoking

## 9. Physical and chemical properties

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Appearance

Liquid

Colour

Colorless

Odour

Pungent

Odour Threshold

No information available.

pH

Not determined

Melting Point

< 0 °C

Boiling Point

ca. 100 °C

Flash Point	Not applicable
Vapourisation rate	No information available.
Flammable (solid)	No information available.
Flammability (gas)	No information available.
Ignition temperature	Not applicable
Lower explosion limit	No
Upper explosion limit	No
Vapour pressure	ca. 20 hPa 20 °C
Relative density	1,23 g/cm <sup>3</sup> 20 °C
Vapour density	Not determined
Solubility in water	Easy soluble
Solubility/other	No information available.
Partition coefficient octanol/water (log P O/W)	No information available.
Decomposition temperature	No information available.
Viscosity kinematic	1 mPa*s 20 °C
Oxidising properties	No information available.
Explosive properties	The product is not explosive.
Other information	No information available.

## 10. Stability and reactivity

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Reactivity	No information available.
Chemical stability	No information available.
Possibility of hazardous reactions	No information available.
Conditions to avoid	Avoid heat. No decomposition if used as directed.
Incompatible materials	Materials to avoid Reactions with combustible substances. Reactions with strong acids and alkalies. Reactions with strong oxidising agents.
Hazardous decomposition products	Nitrous gases Carbon monoxide and carbon dioxide.

## 11. Toxicological information

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LD50 acute oral	1193 - 1270 mg/kg
LD50 acute dermal	> 5000 mg/kg rabbit
LC50 acute inhalation	> 0,17 mg/l (4 h) rat
Irritability skin	Strong corrosive
Irritability eye	Strong corrosive
Skin sensitization	Non - sensitizing
Experiences made from practice	Corrosive effect on skin and mucous membrane. Skin: causes strong corrosions. Risk of strong eye injuries. Product may cause irreversible eye injuries.
Additional Information	The product was classified on the basis of the calculation procedure of the Regulation (EU) Nr. 1272/2008 (CLP). The product has not been tested. The information is derived from the properties of the individual components.

## 12. Ecological information

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### Toxicity

### Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 16,4 mg/l (96 h)	Pimephales promelas		
Daphnia	EC50 7,7 mg/l (24 h)	Daphnia magna		
Algae	IC50 2,5 mg/l (72 h)	Chlorella vulgaris		

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
Results of PBT and vPvB assessment	No information available.
Other adverse effects	General regulation
	Do not allow uncontrolled leakage of product into the environment.
	Product is not allowed to be discharged into aquatic environment.
	The information to ecology refers to main component.

### 13. Disposal considerations

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Waste code No	Name of waste
16 09 03	peroxides, e.g. hydrogen peroxide
Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.	
Recommendations for the product	In accordance with regulations for special waste, must be taken to a special waste disposal. Collect waste separated in suitable, labeled and lockable containers.
	The waste disposal has to be proved. Dispose of as hazardous waste.
Recommendations for packaging	Untaminated packaging may be taken for recycling.
	Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
	Packaging that cannot be cleaned should be disposed of like the product.

### 14. Transport information

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UN number	ADR/RID: 2014 IMDG: 2014 IATA: 2014
UN proper shipping name	ADR/RID:HYDROGEN PEROXIDE, AQUEOUS SOLUTION IMDG:HYDROGEN PEROXIDE, AQUEOUS SOLUTION IATA:HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Transport hazard class(es)	ADR/RID: 5.1 (8) IMDG: 5.1 (8) IATA:5.1 (8)
Packaging group	ADR/RID: II IMDG: II IATA: II
Environmental hazards	ADR/RID: No IMDG: No IATA: No
Special precautions for user	No information available.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.
Land and inland navigation transport ADR/RID	Hazard label(s) 5.1 (8) tunnel restriction code E

## 15. Regulatory information

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

National regulations

Water hazard class 1

slightly hazardous to waters, self-classification

Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

## 16. Other information

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Other Information

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