

1. Product and Company Identification

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Product Name RXSOL S010
Part Number RXSOL-12-1235-025

Company Details:....

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

Phone +91 22 20871200 - 1400
Fax +91 22 27612100 ::AOH :0091 9821214367
Email mail@rxmarine.com
Website www.rxmarine.com

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 ...%	5	R5; O R8; C R35; Xn R20/22
7732-18-5	231-791-2	water	94.995	
7440-22-4	231-131-3	silver	0.005	-
CAS No	EC No	Name	[%]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
7722-84-1	231-765-0	hydrogen peroxide solution ...%	5	Ox. Liq. 1, H271 / Acute Tox. 4, H332 / Acute Tox. 4, H302 / Skin Corr. 1A, H314
7732-18-5	231-791-2	water	94.995	
7440-22-4	231-131-3	silver	0.005	-

3. Hazards Identification

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Classification according to 67/548/EEC or 1999/45/EC

Xi; R36

R-phrases

36 Irritating to eyes.

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].

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

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].

Signal word

Warning

Hazard statements for health hazards

H315 Causes skin irritation.

Precautionary Statements

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.

Hazardous ingredients for labeling

hydrogen peroxide solution 5%

Other hazards

No information available.

4. First Aid Measures

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General information

Remove contaminated soaked clothing immediately. In the event of persistent symptoms receive medical treatment.

In case of inhalation

Remove the casualty into fresh air and keep him immobile. If intensive inhalation of fumes seek medical treatment immediately. In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

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

Product does not burn, fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

Unsuitable extinguishing media	Full water jet 5.2. Special hazards arising from the substance or mixture Fire gas of organic material has to be classed invariably as respiratory poison. In case of fire formation of dangerous gases possible.
Advice for firefighters	Carbon monoxide (CO) Carbon dioxide (CO ₂) Special protective equipment for fire-fighters Use breathing apparatus with independent air supply. Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.
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	Keep container tightly closed. Open and handle container with care! Use only in well-ventilated areas. 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 chemicals. Avoid contact with the eyes.
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.
Requirements for storage rooms and vessels	Keep out of reach of children. Ventilate store-rooms thoroughly. Keep only in original container. Advice on storage compatibility Do not store with oxidizing agents. Store and transport separate of food.
Further information on storage conditions	Keep container tightly closed and store at cool and aired place. Protect from heat and 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/m ³]	[ppm]	Remark
7722-84-1	hydrogen peroxide	MAK, 8 hours	0.71	0.5	DFG, OSHA
		Short-term	0.71	0.5	

Exposure controls

Respiratory protection	No special measures necessary if used correctly. Breathing apparatus in the event of high concentrations. Short term: filter apparatus, special gas filter, NO-P3
Hand protection	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	Light protective clothing.
Appropriate engineering controls	Avoid contact with skin and eyes. Care for thorough room ventilation, if necessary provide local air ventilation.

9. Physical and chemical properties

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Appearance	Liquid
Colour	Colorless
Odour	Odourless
Odour Threshold	No information available.
pH	2 - 2,5
Temperature	20 °C
Melting Point	ca. 0 °C
Boiling Point	> 100 °C
Flash Point	Not applicable
Vapourisation rate	No information available.
Flammable (solid)	No information available.
Flammability (gas)	No information available.
Ignition temperature	No information available.
Self ignition temperature	The product ist not selfigniting.
Lower explosion limit	No information available
Upper explosion limit	No information available
Vapour pressure	23 hPa , 20 °C
Relative density	1 g/cm ³ , 20 °C
Vapour density	No information available.
Solubility in water	Completely miscible
Solubility/other	No information available.
Partition coefficient noctanol/water (log P O/W)	No information available.
Decomposition temperature	No information available.
Viscosity	No information available.
Oxidising properties	Not applicable
Explosive properties	The product is not explosive.

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	No decomposition if stored and handled according to specifications.

Incompatible materials

Materials to avoid Reactions with strong oxidising agents

Hazardous decomposition products

No hazardous decomposition products known. No decomposition if used as directed.

11. Toxicological information

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LD50 acute oral

No data available.

LD50 acute dermal

No data available.

LC50 acute inhalation

No data available.

Irritability skin

Due to the product composition slight irritations of the skin cannot be excluded.

Irritability eye

Irritant - risk of strong eye injuries

Skin sensitization

Non - sensitizing

Experiences made from practice

Experiences at humans : may cause hypersensitivity reactions on skin in case of persons suffering from hypersensitivity. Frequent persistent contact with the skin may cause skin irritation. Frequent contact specially if dried out may cause skin and eye irritations. Precautionary classification 'irritating' because of pH-value.

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 data available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

No information available.

Other adverse effects

Behaviour in sewage plant When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

General regulation

Do not discharge into the drains/surface waters/groundwater.

Ecological dates are not available.

Do not allow uncontrolled leakage of product into the environment.

The information to ecology refers to main component

13. Disposal considerations

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Waste code No

Name of waste

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.
Recommendations for packaging	The waste disposal has to be proved. Dispose of as hazardous waste. Uncontaminated 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:- IMDG:- IATA: -
UN proper shipping name	ADR/RID:- IMDG:- IATA:-
Transport hazard class(es)	ADR/RID: - IMDG: - IATA:-
Packaging group	ADR/RID: - IMDG: - IATA:-
Environmental hazards	ADR/RID: - IMDG: - IATA: -
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	No dangerous goods as defined by these transport regulations
Marine transport IMDG	No hazardous material as defined by the prescriptions.
Air transport ICAO/IATA-DGR	No hazardous material as defined by the prescriptions.

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	Chemical safety assessments for substances in this mixture were 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 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.
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