

1. Product and Company Identification

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Product Name RXSOL S015
Part Number RXSOL-12-1236-025

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 Regulation (EC) No 1272/2008 [CLP/ GHS]
7722-84-1	231-765-0	hydrogen peroxide solution ...%	7.5	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 Regulation (EC) No 1272/2008 [CLP/GHS]	Additional hints
Signal word	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].
Hazard statements for health hazards	Warning
Precautionary Statements	H319 Causes eye irritation. 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 7.5%
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 Full water
Unsuitable extinguishing media	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. Carbon monoxide (CO) Carbon dioxide (CO ₂)
Advice for firefighters	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	SUVA

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

Not determined.

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
16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances

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:- 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 dangerous goods as defined by these transport regulations.
Air transport ICAO/IATA-DGR	No dangerous goods as defined by these transport regulations.

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

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