

1. Product and Company Identification

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Product Name RXSOL SUPER 25
Part Number RXSOL-12-1238-025

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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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 ...%	48	Ox. Liq. 1, H271 / Acute Tox. 4, H332 / Acute Tox. 4, H302 / Skin Corr. 1A, H314
7732-18-5	231-791-2	water	51.95	
7440-22-4	231-131-3	silver	0.05	-

3. Hazards Identification

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Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]	Additional hints
Signal word	Danger
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.
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
Additional information	Special rules for labelling of plant protection products To avoid risks to human health and the environment, comply with the instructions for use.
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
7440-22-4	Silver	8 hours	0,1 E	8(II)	DFG, EU
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

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

Not determined.

pH	Not determined
Melting Point	< 0 °C
Boiling Point	ca. 100 °C
Flash Point	Not applicable
Vapourisation rate	Not determined
Flammable (solid)	Not determined
Flammability (gas)	Not determined
Ignition temperature	Not determined
Lower explosion limit	No
Upper explosion limit	No
Vapour pressure	ca. 20 hPa 20 °C
Relative density	1,23 g/cm ³ 20 °C
Vapour density	Not determined
Solubility in water	Easy soluble
Solubility/other	Not determined
Partition coefficient octanol/water (log P O/W)	Not determined
Decomposition temperature	Not determined
Viscosity kinematic	1 mPa*s 20 °C
Oxidising properties	Not applicable
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 alkalis. 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	No data available.
LD50 acute dermal	No data available.
LC50 acute inhalation	No data available.
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.

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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