

1. Product and Company Identification

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Product Name RXSOL S006
Part Number RXSOL-12-1234-025

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 ...% | 3 | R5; O R8; C R35; Xn R20/22 |
| 7732-18-5 | 231-791-2 | water | 96.997 | |
| 7440-22-4 | 231-131-3 | silver | 0.003 | - |
| CAS No | EC No | Name | [%] | Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS] |
| 7722-84-1 | 231-765-0 | hydrogen peroxide solution ...% | 3 | Ox. Liq. 1, H271 / Acute Tox. 4, H33 Acut2e /Tox. 4, H302 / Skin Corr. 1A, H314 |
| 7732-18-5 | 231-791-2 | water | 96.997 | |
| 7440-22-4 | 231-131-3 | silver | 0.003 | - |

3. Hazards Identification

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

Additional hints

The preparation is not classified as hazardous according to 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 not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

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

Additional hints

The preparation is not classified as hazardous according to Directive 1999/45/EC. The classification is according to the latest editions of the

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

Other hazards

EU-lists, and extended by company and literature data. This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

No information available.

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. Carbon monoxide (CO) Carbon dioxide (CO₂)

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).

Additional Information

Do not take up with sawdust or other combustible materials.

Reference to other sections

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

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/m3] | [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/cm3, 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 explosiv. |

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 | 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. |
| General information | Packaging that cannot be cleaned should be disposed of like the product. Teilentleerte Verpackung der Verkaufsstelle zuruckgeben oder eienr Sammelstelle für Sonderabfalle ubergeben. Entleerte Verpackung mit dem Siedlungsabfall entsorgen. |

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 | <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>DISCLAIMER OF LIABILITY :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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