

## 1. Product and Company Identification

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Product Name RXSOL-11-1053-025  
HS CODE 34029099  
Product Type RXSOL Zyme Descaler

### Company Details:

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

Stock Point ::: Mumbai, Kandla, Chennai, Kolkata, Visakhapatnam, Fujairah

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Email 123@rxmarine.com

## 2. Composition / Information on ingredients

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| Chemical Name                               | Concentration | CAS Number | EC Number | R Phrases*   | Symbols |
|---|---------------|------------|-----------|--------------|---------|
| Proprietary Blend of Acid with pH indicator | 60-100        | 5329-14-6  | 226-218-8 | 36/38, 52/53 | x       |
| Mercaptobenzothiazole                       | 4-6           | 149-30-4   |           |              |         |
| Non classified ingredients                  | 1-10          |            |           |              |         |

\*See Section 16

## 3. Hazards Identification

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|                   |   |
|-------------------|---|
| Odour             | Characteristic odour  |
| Appearance        | Crystals, orange, soluble in water                                  |
| Contact with eyes | Causes severe irritation  |
| Contact with skin | In cases of severe exposure, irritation may develop                 |
| Inhalation        | Irritating to respiratory system (R37)                              |
| Ingestion         | The ingestion of significant quantities may cause burning sensation |

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

## 4. First Aid Measures

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|                     |  |
|---------------------|--|
| Contact with skin   | Wash affected area with plenty of soap and water Contaminated clothing should be laundered before reuse Seek medical attention if irritation persists                                |
| Contact with eyes   | If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.Irrigate eyes thoroughly whilst lifting eyelids Obtain immediate medical attention |
| Ingestion           | Do not induce vomiting Never give anything by mouth to an unconscious person Give water or milk to drink Obtain immediate medical attention.   |
| Inhalation          | Inhalation is unlikely to occur Remove patient to fresh air.   |
| Revision:31.12.2008 | When in doubt or symptoms persist, seek medical attention.   |
| General             | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)   |

## 5. Fire-fighting Measures

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- Non-combustible solid
- Smoke from fires is irritating
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Prevent run off water from entering drains if possible

## 6. Accidental Release Measures

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Personal Precautions

Wear protective clothing as per section 8.

Environmental Precautions

Do not allow to enter public sewers and watercourses.

Clean Up Actions

Sweep or shovel-up spillage and remove to a Wash spill site with water and detergent.

Special Precautions

Wear protective clothing as per section 8.

## 7. Handling and Storage

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Handling

Wear protective clothing as per section 8 In use, may form flammable/explosive vapour-air mixture (R18) Ensure adequate ventilation Avoid contact with skin and eyes (S24/25) Eyewash bottles should be available.

Storage

Keep only in the original container in a cool, well ventilated place (S3/9/49) Keep in acid store.

## 8. Exposure controls and personal protection

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Exposure Limits

There are no recommended or established controls for this product.

Exposure controls

No special precautions are required for this product.

Occupational exposure controls

Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended) Wear suitable dustmask e.g.to BS 2091.

## 9. Physical and chemical properties

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Odour

Characteristic odour

Appearance

Crystals, orange, soluble in water

pH

1 at 10 % Concentration

Boiling point

Not applicable

Vapour pressure

Not known

Melting point

205 °C at 760 mm /Hg

Water solubility

~ 200 g/l

Density

1200 kg/m<sup>3</sup>

Non-combustible solid

## 10. Stability and reactivity

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- This article is considered stable under normal conditions, In use, may form flammable/explosive vapour-air mixture (R18), Reaction products may include hydrogen
- Avoid overheating
- Incompatible with alkalis (strong bases)
- Contact with nitrite (e.g. Diesel DEWT Guard NB NB, ROCCORRX NB Liquid) liberates toxic gas.

## 11. Toxicological information

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|                           |  |
|---------------------------|--|
| Toxicological information | LD50 (oral,rat) 3160 mg/kg.  |
| Inhalation                | May cause severe irritation May cause shortness of breath.           |
| Contact with skin         | May cause irritation.  |
| Contact with eyes         | Causes severe irritation.  |
| Ingestion                 | The ingestion of significant quantities may cause burning sensation. |
| Carcinogenicity           | No evidence of carcinogenic effects.                                 |

## 12. Ecological information

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|                                  |  |
|----------------------------------|--|
| Ecotoxicity                      | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53).   |
| Mobility                         | Completely soluble in water.   |
| Persistence and Biodegradability | Most components in this product are not readily biodegradable.   |
| Bioaccumulation Potential        | Bioaccumulation of the components in this product is insignificant.  |
| Other Adverse Effects            | No environmental problems are expected when the product is used / handled correctly. In its intended use, the product will not be released into the environment. |

## 13. Disposal considerations

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|                         |  |
|-------------------------|--|
| Classification          | EU Waste class: 06.01 This material and/or its container must be disposed of as hazardous waste.   |
| Disposal considerations | Do not discharge into drains or the environment, dispose to an authorised waste collection point Disposal should be in accordance with local, state or national legislation. |

## 14. Transport information

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|                      |  |                         |                    |           |
|----------------------|--|-------------------------|--------------------|-----------|
| Proper Shipping Name | UN   |                         |                    |           |
|                      | Proper Shipping Name                         | Sulphamic acid, mixture |                    |           |
|                      | UN NO  | 2967                    |                    |           |
|                      | Hazard Class                                 | 8                       | Packing Group      | III       |
| Road/Rail (ADR/RID)  | Proper Shipping Name Sulphamic acid, mixture |                         |                    |           |
|                      | ADR UN No                                    | 2967                    |                    |           |
|                      | ADR Hazard Class                             | 8                       | Termcard           | 80GC2-III |
| Sea (IMDG)           | Proper Shipping Name Sulphamic acid, mixture |                         |                    |           |
|                      | IMDG UN No                                   | 2967                    |                    |           |
|                      | IMDG Hazard Class                            | 8                       | IMDG Pack Group    | III       |
|                      | IMDG EmS                                     | F-A, S-B                | IMDG subrisk       | N/A       |
|                      | IMDG Labels                                  | 8                       | IMDG Flashpoint    | N/A       |
| Air(ICA0/IATA)       | Proper Shipping Name Sulphamic acid, mixture |                         |                    |           |
|                      | ICA0 UnNo                                    | 2967                    |                    |           |
|                      | ICA0 HazardClass                             | 8                       | ICA0 Packing Group | III       |
|                      | ICA0 subrisk                                 | N/A                     | ICA0 Labels        | 8         |
|                      | ICA0 Flashpoint                              | N/A                     |                    |           |

|                          |                         |                       |        |
|--------------------------|-------------------------|-----------------------|--------|
| DOT Proper Shipping Name | Sulphamic acid, mixture |                       |        |
| Hazardous Material       | Sulphamic acid          |                       |        |
| Hazard Class             | 8                       | Identification Number | UN2967 |
| Product RQ (lbs)         | NE                      | DOT subrisk           | N/A    |
| DOT Labels               | 8                       | DOT Flashpoint        | N/A    |

## 15. Regulatory information

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### Risk Phrases

Irritating to eyes and skin (R36/38) Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R52/53)

### Safety Phrases

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26) After contact with skin, wash immediately with plenty of soap and water (S28) Wear suitable gloves and eye/face protection (S37/39) Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)

## 16. Other information

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Text of R and S phrase codes used in this safety data sheet:- R36/38: Irritating to eyes and skin; R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents. The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties. The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

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