

# Material Safety Data Sheet

RXSOL RO-4 Organic Cleaner (RXSOL-33-3308-025)



## 1. Product and Company Identification

Product Name RXSOL RO-4 Organic Cleaner  
Part Number RXSOL-33-3308-025

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

Phone +91 22 27815540 / 27815542  
Fax +91 22 2781 1318 ::AOH :0091 9821214367  
Email [123@rxmarine.com](mailto:123@rxmarine.com)  
Website [www.rxmarine.com](http://www.rxmarine.com)

**Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore.**

## 2. Composition / information on ingredients

| Name of Substance                                    | Cas Number | EC Number |
|------------------------------------------------------|------------|-----------|
| Citric Acid                                          | 77-92-9    | 201-069   |
| Phosphoric Acid                                      | 7664-38-2  | 2231-63   |
| Trisodium n-hydroxyethyl ethylene diamine triacetate | 139-89-9   | 205-381   |

## 3. Hazards Identification

Classification of the substance or mixture.

Classification 1999/45/EC Xi; R36/38  
Symbols: Xi: Irritant.

Main Hazard Irritating to eyes and skin.

Skin Contact Irritant

Eye contact Irritant

INGESTION EFFECTS May cause gastrointestinal irritation with possible nausea, Vomiting, Abdominal discomfort and diarrhea.

SYMPTOMS OF EXPOSURE May cause redness or itching of skin, irritation, and/or tearing of eyes (direct contact).

## 4. First Aid Measures

Inhalation Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

|              |                                                                                                                                                                 |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.   |
| Skin Contact | Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion    | Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.                                      |

## 5. Fire-fighting Measures

|                                                       |                                                                                                                                                     |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media                          | Use extinguishing media appropriate to the surrounding fire conditions. Extinguishing media. Water spray. Foam. Dry chemical. Carbon dioxide (CO2). |
| Special Hazards arising from the substance or mixture | Burning produces irritating, toxic and obnoxious fumes.                                                                                             |
| Advice for firefighters                               | Wear suitable respiratory equipment when necessary.                                                                                                 |
| FIRE FIGHTING INSTRUCTIONS                            | Fire fighters should wear positive pressure self-contained breathing apparatus                                                                      |
| EXTINGUISHING MEDIA                                   | Dry chemical, carbon dioxide, foam or water                                                                                                         |
| HAZARDOUS DECOMPOSITION PRODUCTS                      | Oxides of carbon and sulfur                                                                                                                         |
| FLASH POINT:                                          | > 200F > 93C P-M(CC)                                                                                                                                |

## 6. Accidental Release Measures

|                                                                  |                                                                                                                                                                                                     |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions/Protective Equipment / Emergency Procedures | Ensure adequate ventilation of the working area. Wear suitable protective equipment. See section 8 for further information.                                                                         |
| Environmental Precautions                                        | Do not allow product to enter drains. Prevent further spillage if safe.                                                                                                                             |
| Method of Clean -up                                              | Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled disposal. Clean spillage area thoroughly with plenty of water.                                                      |
| PROTECTION AND SPILL CONTAINMENT                                 | Ventilate area. Use specified protective equipment. Contain and absorb on absorbent material. Place in waste disposal container. Flush area with water. Wet area may be slippery. Spread sand/grit. |
| DISPOSAL INSTRUCTIONS                                            | Water contaminated with this product may be sent to a sanitary sewer treatment facility, in accordance with any local agreement, a permitted waste treatment facility or discharged under a permit  |

## 7. Handling and Storage

|                                                              |                                                                                                                                                                      |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling                                | Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. |
| Conditions for safe storage, including any incompatibilities | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.                                                   |
| Suitable Packaging                                           | Plastic containers.                                                                                                                                                  |

## 8. Exposure controls and personal protection

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Appropriate Engineering Controls | Ensure adequate ventilation of the working area.       |
| Individual Protection Measure    | Wear chemical protective clothing.                     |
| Eye/ Face Protection             | Approved safety goggles. Splash proof chemical goggles |

|                               |                                                                                                                                                 |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory Protection        | Not normally required.<br>In case of inadequate ventilation wear respiratory protection. Suitable half mask respirator with filter P2 (EN 143). |
| ENGINEERING CONTROLS          | Adequate ventilation                                                                                                                            |
| PERSONAL PROTECTIVE EQUIPMENT | Use protective equipment in accordance with 29CFR 1910 Subpart I                                                                                |
| SKIN PROTECTION               | Rubber, butyl, viton or neoprene gloves -- Wash off after each use. Replace as necessary                                                        |

## 9. Physical and chemical properties

|                        |                   |
|------------------------|-------------------|
| Form                   | Liquid            |
| Colour                 | Amber/Clear       |
| Odour                  | Slight            |
| pH                     | 2.5 - 3.5         |
| Solubility             | Miscible in water |
| Flash Point            | > 200F > 93C      |
| Specific Grav.         | 1.082             |
| Freeze Point           | 27                |
| Viscosity(cps 70F,21C) | 10                |
| Solubility (water)     | 100               |
| Vapor Pressure (mmHG)  | ~ 18.0            |

## 10. Stability and reactivity

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Chemical Stability                 | Stable under normal conditions.                                                 |
| Possibility of hazardous reactions | Keep only in the original container in a cool, well-ventilated place away from. |
| Conditions to avoid                | Keep in a cool, dry, well ventilated area.                                      |

|                          |                                         |
|--------------------------|-----------------------------------------|
| STABILITY                | Stable under normal storage conditions. |
| HAZARDOUS POLYMERIZATION | NA                                      |
| INCOMPATIBILITIES        | May react with strong oxidizers         |

DECOMPOSITION PRODUCTS:

oxides of carbon and sulfur

## 11. Toxicological information

|                                       |                                                                                   |                              |
|---------------------------------------|-----------------------------------------------------------------------------------|------------------------------|
| Skin Corrosion / Irritation           | May cause irritation to eyes                                                      |                              |
| Respiratory or Skin Sensitisation     | No sensitization effects reported.                                                |                              |
| Repeated or prolonged exposure        | Avoid prolonged or repeated exposure. Avoid contact with eyes and skin.           |                              |
| Toxicological Information Citric Acid | Oral Rat LD50: 500Mg/Kg                                                           | Dermal Rabbit LD50: 500Mg/Kg |
| Phosphoric Acid                       | Inhalation Rat LC50/1 h: >850 mg/m <sup>3</sup><br>Dermal Rabbit LD50: 2740 mg/kg | Oral Rat LD50: 1530 mg/kg    |

## 12. Ecological information

|                           |                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Persistence Degradability | No data is available on this product.                                                                                                                     |
| Bioaccumulative Potential | Does not bioaccumulate.                                                                                                                                   |
| Future Information        | No known adverse environmental effects.                                                                                                                   |
| AQUATIC TOXICOLOGY        | Daphnia magna 48 Hour Acute Toxicity (Estimated) LC50= 600; No Effect Level= 150 mg/L<br>Fathead Minnow 96 Hour Acute Toxicity (Estimated) LC50= 330 mg/L |
| BIODEGRADATION            | BOD-28 (mg/g): 91 BOD-5 (mg/g): 79 COD (mg/g): 166 TOC (mg/g): 73                                                                                         |

## 13. Disposal considerations

|                       |                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Information   | Must be disposed in accordance with local, state or national regulation.<br>Do not dispose of directly with Acid<br>Dispose with water and neutralise with an acid. |
| Disposal of Packing : | Empty containers can be sent to landfill after cleaning, if in compliance with Local and national regulations.                                                      |

## 14. Transport information

|             |                                                          |
|-------------|----------------------------------------------------------|
| Information | The product is not classified as dangerous for carriage. |
|-------------|----------------------------------------------------------|

DOT HAZARD : Not Applicable

**PROPER SHIPPING NAME:**

DOT EMERGENCY RESPONSE GUIDE #: NA

**Note:** Some containers may be DOT exempt, please check BOL for exact container classification

## 15. Regulatory information

|                |                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------|
| Symbols        | The product is classified in accordance with 67/548/EEC.                                            |
| Risk Phrases   | R36/38 - Irritating to eyes and skin.                                                               |
| Safety Phrases | S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
|                | S28 - After contact with skin, wash immediately with plenty of water.                               |
|                | S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.                      |

## 16. 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.

Other Information      The information contained in this literature is believed to be accurate and is offered in good faith for the benefit of the customer.  
The company  
however, can not assume any liability or risk in the use of its chemical product since the conditions of use are beyond our control

**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.