

1. Product and Company Identification

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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

Website 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

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Name of Substance	Cas Number
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Citric Acid	77-92-9
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Phosphoric Acid	7664-38-2
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Trisodium n-hydroxyethyl ethylene diamine triacetate	139-89-9
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3. Hazards Identification

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Classification of the substance or mixture.

Classification 1999/45/EC	Xi; R36/38 Symbols:Xi: Irritant.
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Main Hazard	Irritating to eyes and skin.
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Skin Contact	Irritant
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Eye contact	Irritant
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INGESTION EFFECTS	May cause gastrointestinal irritation with possible nausea, Vomiting, and discomfort and diarrhea.
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SYMPTOMS OF EXPOSURE	May cause redness or itching of skin, irritation, and/or tearing of eyes
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4. First Aid Measures

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Inhalation

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

Eye Contact

Irritating to eyes. Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation or symptoms persist.

Skin Contact

Irritating to skin. Wash off immediately with plenty of water for at least 15 minutes. Remove clothing. Seek medical attention if irritation or symptoms persist.

Ingestion

Ingestion may cause nausea and vomiting. Seek medical attention. DO NOT INDUCE VOMITING.

5. Fire-fighting Measures

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Suitable extinguishing media

Use extinguishing media appropriate to the surrounding fire.
Water spray. Foam. Dry chemical. Carbon dioxide.

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

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Personal Precautions/Protective Equipment / Emergency Procedures

Ensure adequate ventilation of the working area. Wear suitable protective clothing for further information.

Environmental Precautions

Do not allow product to enter drains. Prevent further spillage.

Method of

Absorb with inert, absorbent material. Sweep up. Transfer to suitable container.

Clean -up

area thoroughly with plenty of water.

PROTECTION AND SPILL CONTAINMENT

Ventilate area. Use specified protective equipment. Contain and absorb spillage. Place in waste disposal container. Flush area with water. Clean up spillage. Slippery. Spread sand/grit.

DISPOSAL INSTRUCTIONS

Water contaminated with this product may be sent to a sanitary landfill facility, in accordance with any local agreement, a permitted waste treatment and disposal facility, or discharged under a permit.

7. Handling and Storage

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Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation. Observe best Manual Handling considerations when handling.

Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep away from heat and fire. Store in labelled containers.

Suitable Packaging

Plastic containers.

8. Exposure controls and personal protection

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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.

In case of inadequate ventilation wear respiratory protection with filter P2 (EN 143).

ENGINEERING CONTROLS

Adequate ventilation

PERSONAL PROTECTIVE EQUIPMENT

Use protective equipment in accordance with 29CFR 1910 Subpart I. Rubber, butyl, viton or neoprene gloves -- Wash off after each use. If necessary.

SKIN PROTECTION

9. Physical and chemical properties

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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

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Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	Keep only in the original container in a cool, well-ventilated area.
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

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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 skin.
Toxicological Information Citric Acid	Oral Rat LD50: 5000mg/kg Dermal Rabbit LD50: 5000mg/kg
Phosphoric Acid	Inhalation Rat LC50/1 h: >850 mg/m ³ Oral Rat LD50: 5000mg/kg Dermal Rabbit LD50: 2740 mg/kg

12. Ecological information

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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 observed effect concentration (NOEC) = 150 mg/L
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BIODEGRADATION	Fathead Minnow 96 Hour Acute Toxicity (Estimated) LC50= 330 mg/L BOD-28 (mg/g): 91 BOD-5 (mg/g): 79 COD (mg/g): 166 TOC (mg/g): 166
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13. Disposal considerations

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General Information

Must be disposed in accordance with local, state or national regulations.
Do not dispose of directly with Acid
Dispose with water and neutralise with an acid.

Disposal of Packing :

Empty containers can be sent to landfill after checking local regulations.

14. Transport information

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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

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Symbols

Risk Phrases

Safety Phrases

The product is classified in accordance with 67/548/EEC.
R36/38 - Irritating to eyes and skin.
S26 - In case of contact with eyes, rinse immediately with plenty of water.
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

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Other Information

The information above is believed to be accurate and reliable. However, we make no warranty of accuracy or reliability, implied, with respect to such information, and we do not assume any liability for any loss or damage, including lost profits or any special, indirect, incidental, or consequential damages, arising, even if **RX Marine International** has been advised of the possibility of such damages.

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STABILITY

HAZARDOUS POLYMERIZATION

INCOMPATIBILITIES

DECOMPOSITION PRODUCTS:

Stable under normal storage conditions.

NA

May react with strong oxidizers

oxides of carbon and sulfur