Material Safety Data Sheet

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

1. Product and Company Identifaction

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

Company Details:
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2. Composition / informationon ingredients

Name of Substance	Cas Number	EC Num
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	Irritatant
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

Suitableextinguishingmedia	Use extinguishing media appropriate to the surrounding fire conditions. Extinguishing media. Water spray. Foam. Dry chemical. Carbon dioxide (CO2).
Special Hazards arising form 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 imcompatibilities	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
Suitable Packaing	Plastic containers.

8. Exposure controls and personal protection

Apropriate 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. 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 sensitizaton effects reported.	
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Avoid contact with eyes and skin.	
Toxicological Information Citric Acid	Oral Rat L D50: 500Mg/Kg	Dermal Rabbit LD50: 500Mg/Kg
Phosphoric Acid	Inhalation Rat LC50/1 h: >850 mg/m3 Dermal Rabbit LD50: 2740 mg/kg	Oral Rat LD50: 1530 mg/kg

12. Ecological information

Presistence 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 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. 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 cleaning, if in compliance with Local and national regulations.

14. Transport information

Information	The product is not classifed 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 weassume 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 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

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