

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

Company Details:

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Name of Substance	Cas Number	EC Number	Conc. (%w/w)	Classification	Citric Acid
77-92-9 201-069-1 1 - 10%	Phosphoric Acid	7664-38-2	2231-633-2 C	1 - 10% C, R34	Trisodium
n-hydroxyethyl ethylene diamine triacetate	139-89-9 205-381-9	10-20% Xi; R36/37/38			

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).

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.	

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)

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

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 Packaing	Plastic containers.		

Aproprate 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

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

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

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 ³	Oral Rat LD50: 1530 mg/kg		
Dermal Rabbit LD50: 2740 mg/kg			

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

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

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.
compliance with Local and national regulations.

Disposal of Packing :

Empty containers can be sent to landfill after cleaning, if in

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

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.

Other Information

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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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STABILITY

Stable under normal storage conditions.

HAZARDOUS POLYMERIZATION

NA

INCOMPATIBILITIES

May react with strong oxidizers

DECOMPOSITION PRODUCTS:

oxides of carbon and sulfur