

Product Name	RXSOL-31-3028-025
Product Type	Cationic Organic Surface A

Company Details:

RX MARINE INTERNATIONAL
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Hazardous Ingredients	% by Weight	Cas No.	Symbol	Calcium Hypochlorite	30-40%	7778-54-3	NA
Hydrated Lime	30-40%	1305-62-0	O, Xn, N	Calcium Carbonate	25-30%	471-34-1	

Odour	Chlorine	Appearance	White	Contact with eyes	Risk of serious damage to eyes. Causes serious eye
irritation.	Contact with skin	Causes irritation, Prolonged skin contact will result in defatting of the skin.		Contact with acid	

Contact with acids liberates toxic gas.

Warning! Do not use together with other products. May release dangerous gasesWarning! Do not use together with other products. May release dangerous gases

Inhalation

Do not induce vomiting person Give water or milk to drink

Skin Contact / Absorption

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.Wash with plenty of soap and water.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion

Do not induce vomiting. Give water or milk to drink.

Additional Information

When in doubt or symptoms persist, seek medical attention. Use good personal hygiene practices.

- Non-flammable
- In case of fire: use water for extinction
- DO NOT USE dry extinguishers containing ammonium compounds such as dry powder.

Personal Precautions - Avoid raising dust

- Wear protective clothing as per section 8

- Contact with water may form explosive gases

- Evacuate the area and keep personnel upwind

Environmental Precautions - Avoid release to the environment.

- Do not allow to enter public sewers and watercourses

- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

Immediate Actions

Use appropriate containment to avoid environmental contamination (S57).

Clean Up Actions

- Collect as much as possible in clean

container for reuse or disposal

- Do not absorb spillage in sawdust or other combustible material

- Seek expert advice for removal and disposal of all contaminated materials and wastes as per section 8.

Special Precautions

Wear protective clothing

Handling Procedures

Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

Storage Requirements

Store in a cool, dry, well-ventilated place. Keep container tightly closed, and away from incompatible materials. Keep out of the sun. .

Exposure limits - No exposure limits have been set for this substance.
provided which maintain airborne concentrations below the relevant guidelines Exposure controls - Engineering controls should be
Occupational Exposure Controls - In case of inadequate
ventilation wear respiratory protection.

- Wear suitable protective clothing, including eye/face protection and gloves (butyl rubber are recommended)
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection

Physical State

Solid

Odor and Appearance

White, strong chlorine odour

Odor Threshold

~ 1.4 mg/m³ based on chlorine

Specific Gravity (Water=1)

Specific Gravity (Water=1)

Vapor Pressure (mm Hg, 20C)

Not applicable

Vapor Density (Air=1)

Not available.

Evaporation Rate

Not available.

Boiling Point

not applicable

Freeze/Melting Point

Decomposes at 125-130°C

pH

10.4-10.8 (1% solution)

Water/Oil Distribution Coefficient

Not applicable

Bulk Density

0.8 g/cm³

% Volatiles by Volume

Not available

Solubility in Water

18% at 25°C

Reactivity

- Oxidising agent
- Warning! Do not use together with other products. May release dangerous gases (chlorine).

Chemical stability

- Decomposes above 200 °C

Possibility of hazardous reactions

- Contact with acids liberates toxic gas.

Conditions to avoid

- Avoid contact with acids and alkalis
- Avoid contact with combustible material
- Avoid contact with foodstuffs
- Avoid contact with reducing agents
- Keep away from heat and sources of ignition

Incompatible materials

- Incompatible with acids and alkalis
- Incompatible with reducing agents
- Contact with water may form explosive gases
- Contact with acids liberates toxic gas.

Hazardous Decomposition Products

- Decomposition products may include carbon oxides
- Decomposition products include chlorine.
- Decomposition products may include phosg

Toxicological information - LD50 (oral,rat) 809 mg/kg

- LD50 (skin,rabbit) 7600 mg/kg
- Irritation to eyes (rabbit) :Corrosive
- Irritation to skin (rabbit): Moderate Inhalation - May cause dizziness
- Causes coughing
- Can cause damage to the mucous membranes

- In cases of severe exposure, burning sensation may develop
- In cases of severe exposure, delayed pulmonary oedema may develop Contact with skin - May cause irritation
- In cases of severe exposure, burning sensation may develop
- In cases of severe exposure, dermatitis may develop Contact with eyes - Causes severe irritation
- Can cause damage to the eyes Ingestion - The ingestion of significant quantities may cause damage to digestive system
- The ingestion of significant quantities may cause burning sensation Carcinogenicity No evidence of carcinogenic effects

Toxicity

- Very toxic to aquatic life with long lasting effects.
- LC50 (bluegill sunfish) 0.20-0.40 mg/l (96 hr)
- LC50 (rainbow trout) 0.08-0.37 mg/l (96 hr)
- LC50 (algae)

Biodegradability

Biodegradable

Environmental Effects

Not available

Waste Disposal

Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Not classified as hazardous for transport

Risk Phrases	Repeated exposure may cause skin dryness or cracking (R66) Risk of serious damage to eyes (R41)	Safety
Phrases	- Refer to current ADR Regulations - Refer to current CPL Regulations	
	- Refer to current EC Directive 82/501/EEC (the Seveso Directive)	
	- The List of Wastes (England) Regulations 2005 apply in the U	

Text of R and S phrase codes used in this safety data sheet:- H272: May intensify fire; oxidizer.; H302: Harmful if swallowed.; H319: Causes serious eye irritation.; H335: May cause respiratory irritation.; H400: Very toxic to aquatic life.; H410: Very toxic to aquatic life with long lasting effects.; R22: Harmful if swallowed; R31: Contact with acids liberates toxic gas; R36/37: Irritating to eyes and respiratory system; R50/53: The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.

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