

## 1. Product and Company Identification

www.rxmarine.com

Product Name Polyelectrolyte  
Product Type RXSOL-40-4044-025

### Company Details:

RX MARINE INTERNATIONAL  
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## 2. Composition / Information on ingredients

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Hazardous Ingredients	Hydrotreated Light Distillate	10-30%
CAS Number	Hydrotreated Light Distillate	64742-47-8
Synonym (S)	None	

## 3. Hazards Identification

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Inhalation	Not a likely route of exposure. Negligible hazard at normal temperatures(up to 38oC).
Skin Contact / Absorption	May cause irritation with prolonged contact. Frequent or prolonged contact with product may defat and dry the skin, leading to discomfort an dermatitis.
Eye Contact	May cause irritation with prolonged contact.
Ingestion	Not a likely route of exposure. No adverse effects expected
Exposure Limits	ACGIH/TLV-TWA: 5mg/m3 (Mineral Oil Mist) OSHA/PEL-TWA: 5mg/m3 (Mineral Oil Mist)

## 4. First Aid Measures

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**Inhalation** Remove victim to fresh air. Give artificial respiration only if breathing has topped. If breathing is difficult, give oxygen. Seek immediate medical tention.

**Skin Contact / Absorption** Remove contaminated clothing. Wash affected area with soap and water.Seek medical attention if irritation occurs or persists.

**Eye Contact** Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek immediate medical tention.

**Ingestion** Do not induce vomiting without medical advice. If conscious, washout mouth and give

water to drink. If symptoms develop, seek medical advice

#### Additional Information

Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

## 5. Fire-fighting Measures

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Conditions of Flammability	Not flammable
Means of Extinction	Foam, dry powder, carbon dioxide, other extinguishing agent suitable for Class B fires. Do not use water unless flooding amounts are available.
Flash Point	>100°C
Auto-ignition Temperature	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Hazardous Combustible Products	May evolve oxides of carbon and nitrogen under fire conditions
Special Fire Fighting Procedures	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
Explosion Hazards	Fire or intense heat may cause violent rupture of packages

## 6. Accidental Release Measures

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Leak / Spill	<p>Wear appropriate personal protective equipment. Ventilate area. Stop or reduce leak if safe to do so. Prevent material from entering sewers. Water in contact with the product will cause slippery floor conditions.</p> <p>SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area.</p> <p>LARGE SPILLS: Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Contact an approved waste hauler for disposal of contaminated recovered material.</p>
Deactivating Materials	Not available

## 7. Handling and Storage

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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 separately from oxidizers. Store the containers tightly closed. Protect product from freezing.

## 8. Exposure controls and personal protection

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### Protective Equipment

Eyes.	Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.
Respiratory	Due to its low volatility and toxicity, the hazard potential associated with this material is relatively low. Respiratory protection is not normally needed.
Gloves	Impervious gloves of chemically resistant material (rubber, nitrile or PVC) should be worn. Wash contaminated clothing and dry thoroughly before reuse.
Clothing	Body suits, aprons, and/or coveralls of chemical resistant material should

	be worn. Wash contaminated clothing and dry thoroughly before reuse.
<b>Footwear</b>	No special footwear is required other than what is mandated at place of work.

### Engineering Controls

<b>Ventilation Requirements</b>	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided. Supply sufficient replacement air to make up for air removed by exhaust systems
<b>Other</b>	Keep an eye wash fountain available. Keep a safety shower available.

## 9. Physical and chemical properties

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<b>Physical State</b>	Liquid
<b>Odor and Appearance</b>	Hydrocarbon, Off-white
<b>Odor Threshold</b>	Not available
<b>Specific Gravity (Water=1)</b>	1.08 @ 25°C
<b>Vapor Pressure (mm Hg, 20C)</b>	Not available
<b>Vapor Density (Air=1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Boiling Point</b>	Not available
<b>Freeze/Melting Point</b>	-10°C
<b>pH.</b>	8.1
<b>Water/Oil Distribution Coefficient</b>	Not available
<b>Bulk Density</b>	9.01 lbs/gal
<b>% Volatiles by Volume</b>	22.5% (calculated)
<b>Solubility in Water</b>	Emulsifiable
<b>Molecular Formula</b>	Not available
<b>Molecular Weight</b>	Not available

## 10. Stability and reactivity

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### Stability

Stable under normal conditions

### Incompatibility.

Addition of water results in gelling. Contact with strong oxidizers (e.g. concentrated oxygen, permanganate) may generate heat, fires, explosion.

### Hazardous Products of Decomposition

Oxides of carbon and nitrogen

### Polymerization

Hazardous polymerization will not occur.

## 11. Toxicological information

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### Irritancy

Not available

### Sensitization.

This product is not expected to be a sensitizer.

### Chronic/Acute Effects

None.  
A review of available data does not identify any symptoms from repeated or chronic exposure.

Chem.

<b>Synergistic Materials</b>	Not available
<b>Animal Toxicity Data</b>	No toxicity studies have been conducted on this product.
<b>Carcinogenicity</b>	None of the substances in this product are listed as carcinogens by the IARC, NTP or ACGIH.
<b>Reproductive Toxicity</b>	Not available
<b>Teratogenicity.</b>	Not available
<b>Mutagenicity.</b>	Not available

## 12. Ecological information

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<b>Fish Toxicity.</b>	LC50(96 hrs, Sheepshead Minnow)= >1,000mg/L LC50(96 hrs, Rainbow Trout)= >1,000mg/L LC50(48 hrs, Daphnia magna)= 280mg/L LC50(96 hrs, Mysid Shrimp)= 400mg/L
<b>Biodegradability</b>	Not available
<b>Environmental Effects</b>	Based on our hazard characterization, the potential environmental hazard is: low. However, care should be taken not to contaminate surface water

## 13. Disposal considerations

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<b>Waste Disposal</b>	Dispose in accordance with all federal, provincial, and/or local regulation including the Canadian Environmental Protection Act.
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## 14. Transport information

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### TDG Classification

<b>Class</b>	Not regulated
<b>Group</b>	Not regulated
<b>PIN Number</b>	Not regulated
<b>Other</b>	Secure containers (full and/or empty) with suitable hold down devices during shipment.

## 15. Regulatory information

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WHMIS Classification : .D2

**NOTE: THE PRODUCT LISTED ON THIS MSDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS MSDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.**

**NSF Certification :** Product is certified under ANSI/NSF Standard 60 for coagulation and flocculation at a maximum dosage of 1mg/L.

## 16. Other information

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**Note:** The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and .

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