Material Safety Data Sheet

Polyelectrolyte (RXSOL-40-4044-025)

1. Product and Company Identifaction

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

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 27815540 / 41 / 42
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2. Composition / informationon ingredients

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

3. Hazards Identification

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

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

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

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

Leak / Spill	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. SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. LARGE SPILLS: Contain liquid using absorbent material, by digging renches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Contact an approved waste hauler for disposal of ontaminated recovered material.
Deactivating Materials	Not available

7. Handling and Storage

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

Protective Equipment

Eyes.	Chemical goggles, full-face shield, or a full-face respirator is to be worn at ll times when product is handled. Contact lenses should not be worn; they ay contribute to severe eye injury.

Respiratory	Due to its low volatility and toxicity, the hazard potential associated with his material is relatively low. Respiratory protection is not normally needed.
Gloves	Impervious gloves of chemically resistant material (rubber, nitrile or PVC) hould 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.
Footwear	No special footwear is required other than what is mandated at place of ork.

Engineering Controls

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

9. Physical and chemical properties

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

10. Stability and reactivity

Stability	Stable under normal conditions
Incompatibility.	Addition of water results in gelling. Contact with strong oxidizers (e.g.chlorine, eroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or oxic vapors.
Hazardous Products of Decomposition	Oxides of carbon and nitrogen

Polymerization	Hazardous polymerization will not occur.

11. Toxicological information

Irritancy	Not available
Sensitization.	This product is not expected to be a sensitizer.
Chronic/Acute Effects	Acute : A review of available data does not identify any symptoms from exposure noteviously mentioned. Chronic : Frequent or prolonged contact with product may defat and dry the skin,leading to discomfort and dermatitis.
Synergistic Materials	Not available
Animal Toxicity Data	No toxicity studies have been conducted on this product.
Carcinogenicity	None of the substances in this product are listed as carcinogens by theIARC, NTP or ACGIH.
Reproductive Toxicity	Not available
Teratogenicity.	Not available
Mutagenicity.	Not available

12. Ecological information

Fish Toxicity.	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
Biodegradability	Not available
Environmental Effects	Based on our hazard characterization, the potential environmental harad is: low. However, care should be taken not to contaminate surface water

13. Disposal considerations

Waste Disposal	Dispose in accordance with all federal, provincial, and/or local reglation ncluding the Canadian Environmental Protection Act.

14. Transport information

TDG Classification

Class	Not regulated
Group	Not regulated
PIN Number	Not regulated
Other	Secure containers (full and/or empty) with suitable hold down devises uring shipment.

15. Regulatory information

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

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health azards and safety information contained herein as a guide and should take those precautions required in an ndividual operation to instruct employees and develop work practice procedures for a safe work environment. The nformation 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 ncurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and .

Attention: Receiver of the chemical goods / MSDS coordinator

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