

1. Product and Company Identification

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Product Name RXSOL-81-8123-210
Product Type Polyethylene Glycol 400 (PEG 400)

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Name	CAS #	% by Weight
Polyethylene glycol 400	25322-68-3	100

3. Hazards Identification

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Skin contact	irritant
Eye contact	irritant
Mutagenic effect	NA
Teratogenic Effect	NA
Developmental Toxicity	NA

4. First Aid Measures

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Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Water can be used. Get medical attention if irritation occurs.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Clothing should be removed if it becomes wet. Do not use harsh soaps.
Serious Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Serious Inhalation	Not available.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, waistband, or pants.
Serious Ingestion	Not available.

5. Fire-fighting Measures

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Flammability of the Product	May be combustible at high temperature.
Auto-Ignition Temperature	Not available.
Flash Points	CLOSED CUP: 226.67°C (440°F). OPEN CUP: 231.11°C (448°F)
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames and sparks of heat.
Risks of explosion of the product in presence of mechanical impact	Not available.
Risks of explosion of the product in presence of static discharge	Not available.
Fire Fighting Media and Instructions:	
SMALL FIRE	Use DRY chemical powder.
LARGE FIRE	Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

6. Accidental Release Measures

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Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and Storage

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Precautions	Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of contact with skin, wash with plenty of water. In case of contact with eyes, seek medical advice immediately and show the container label. Keep away from oxidizing agents, acids, alkalis.
Storage	Keep container tightly closed. Keep container in a cool, dry place.

8. Exposure controls and personal protection

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Engineering Controls	Provide exhaust ventilation or other engineering controls to keep exposure below their respective threshold limit value. Ensure that the work-station location is downwind of the work-station location.
Personal Protection	<small>Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved certified respirator or equivalent. Gloves.</small>
Personal Protection in Case of a Large Spill	<small>Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist BEFORE use.</small>
Exposure Limits	TWA: 10 (mg/m3) from AIHA Consult local authorities for more information.

9. Physical and chemical properties

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Average Molecular Weight	380 - 420
Freezing point	39 - 46 Deg F
Flash point	435 Deg F
Fire point	510 Deg F

Specific gravity	d 60 / 60= 1.125 d 248 / 60= 1.050
Viscosity	@ 120Deg F 30.7 cp @ 248Deg F 5.5 cp
Water Solubility	solible
pH (5 % aqueous)	4.5-7.5 (5% soln)
Specific Heat , BTU /lb Deg F	@ 120 Deg F 0.494 @ 248 DegF 0.543
Physical state and appearance	Liquid. (viscous)
Odor	Odorless.
Taste	Not available.
Color	Clear
Boiling Point	Not available.
Melting Point	4°C (39.2°F) - 6 C.
Critical Temperature	Not available.
Vapor Pressure	Not available.
Vapor Density	Not available.
Volatility	Not available.
Odor Threshold	Not available.
Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.

10. Stability and reactivity

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Stability	<small>The product is stable.</small>
Instability Temperature	Not available.
Conditions of Instability	Incompatible materials (strong oxiders), excess heat.
Incompatibility with various substances	Reactive with oxidizing agents, acids, alkalis.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Slightly Hygroscopic
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur

11. Toxicological information

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Routes of Entry	Absorbed through skin. Eye contact.
Toxicity to Animals	
Acute oral toxicity (LD50)	26800 mg/kg [Rabbit].
Acute dermal toxicity (LD50)	>20000 mg/kg [Rabbit]
Acute toxicity of the vapor (LC50)	>13 8 hours [Rat].
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans:	
Acute Potential Health Effects:	
Skin	It may cause mild skin irritation. It may be absorbed if large amounts of harmful amounts is unlikely.
Eyes	It may cause mild eye irritation.
Inhalation	At room temperature, exposure to vapor is minimal.
Ingestion	Low toxicity. Harmful effects not anticipated from

cardiac arrhythmias, hypotension. It may also af
(weight loss).

12. Ecological information

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Ecotoxicity	Ecotoxicity in water (LC50): >5000 mg/l 24 hours
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation produ products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the p
Special Remarks on the Products of Biodegradation	Not available.

13. Disposal considerations

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Waste Disposal	Waste must be disposed of in accordance with fed
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14. Transport information

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DOT Classification	Not regulated
Identification	Not applicable.
Special Provisions for Transport	Not applicable.

15. Regulatory information

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Federal and State Regulations	Not regulated
Minnesota	Polyethylene glycol 400 TSCA 8(b)
inventory	Polyethylene glycol 400
Other Regulations	Not available.
Other Classifications	
WHMIS (Canada)	Not controlled under WHMIS (Canada).
DSCL (EEC)	Not Available S24/25- Avoid contact with skin and
HMIS (U.S.A.)	
Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	g
National Fire Protection Association (U.S.A.)	
Health	0
Flammability	1
Reactivity	0
Specific hazard	
Protective Equipment	Gloves. Lab coat. Vapor respirator. Be sure to use glasses.

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