

1. Product and Company Identification

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Product Name Sodium Polyacrylate
Product Type RXSOL-81-8132-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Name	CAS#	% by Weight
Sodium Polyacrylate	9003-04-7	40%

3. Hazards Identification

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EMERGENCY OVERVIEW

Sodium polyacrylate is a white, granular, odorless polymer that yields a gel-like material with the addition of water. It is insoluble in water and causes extremely slippery conditions when wet. Although not regulated as a hazardous material, the respirable dust is potential respiratory tract irritant. The manufacturer recommends an eight-hour exposure limit of 0.05 mg/m³.

INHALATION

Exposure to respirable dust may cause respiratory tract and lung irritation and may aggravate existing respiratory conditions.

INGESTION

Although not a likely route of entry, tests have shown that polyacrylate absorbents are non-toxic if ingested. However, as in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.

SKIN

Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.

EYES

Dust may cause burning, drying, itching, and other discomfort, resulting in reddening of the eyes.

4. First Aid Measures

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Eye Contact

Immediately flush with plenty of water. Remove particles remaining under the eyelids. Get medical attention if irritation persists.

SkinContact

Remove polyacrylate absorbent dust from skin using soap and water.

Inhalation

If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.

Ingestion

Non-toxic by ingestion. However, if adverse symptoms appear, seek medical attention.

5. Fire-fighting Measures

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General Fire Hazards	No recognized fire hazards associated with the finished product.
Fire and Explosive Properties:	
Flammability Classification	None
Flash Point	NA
Flammable Limits:	
Upper	NE
Lower	NE
Hazardous Combustion Products	None known.
Extinguishing Media	Dry chemical, foam, carbon dioxide, and water fog. Extremely slippery conditions are created if spilled product comes in contact with water.
Fire Fighting Instructions	Firefighters should wear full protective clothing including self-contained breathing apparatus.

6. Accidental Release Measures

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Containment Procedures:

Sweep or vacuum material when possible and shovel into a waste container.

Clean up procedures:

Use caution after contact of product with water, as extremely slippery conditions will result. Residuals may be flushed with water into the drain for normal wastewater treatment. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.

Evacuation Procedures:

None required.

Special Procedures:

Avoid respirable dust inhalation during clean up. Wear appropriate respirator.

7. Handling and Storage

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Handling	Handle as an eye and respiratory tract irritant.
Storage	Store in a dry, closed container.

8. Exposure controls and personal protection

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Engineering Controls	Provide local exhaust ventilation to maintain worker exposure to less than 0.05 mg/m ³ over an eight-hour period.
PERSONAL PROTECTIVE EQUIPMENT:	
Personal Protective Equipments: Eyes/Face	Wear safety glasses with side shields or goggles.
Personal Protective Equipments: Skin	Use impervious gloves when handling the product in the manufacturing environment.
Personal Protective Equipments	Respiratory Wear respirator with a high efficiency filter if particulate concentration in the work area exceeds 0.05 mg/m ³ over an eight hour time period
Personal Protective Equipments: General	Obey reasonable safety precautions and practice good housekeeping. Wash thoroughly after handling.

Physical and Chemical Properties :

Appearance/Odor

Clear to Hazy liquid

pH

6.5 - 7.5 (1% in water)

Vapor Pressure