

1. Product and Company Identification

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Product Name Poly Anionic Cellulose
Part Number RXSOL-81-8125-025

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Name of Substance	Cas Number
PolyAnionic Cellulose	9004-32-4

3. Hazards Identification

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Signal Word	Not Applicable / None
Hazard Statements	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Preventionstatements -	This product is not Hazardouss
Other Hazard	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals

4. First Aid Measures

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Eye Contact	IF IN EYES: Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower lids. If irritation persists, get medical attention.
Skin Contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
Inhalation:	IF INHALED: Remove victim to fresh air and rest. If respiratory symptoms persist, get medical attention.
Sawllowed:	IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting unless advised by medical personnel. Get medical advice/attention.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

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Suitable extinguishing media	Water,Dry chemical fire extinguishers.Carbon dioxide fire extinguishers.
Unsuitable extinguishing media:	No data available
Hazardous combustion products:	During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.. Combustion products may include and are not limited to:. Carbon monoxide.. Carbon dioxide..

Unusual Fire and Explosion Hazards: Do not permit dust to accumulate. When suspended in air dust can be an explosion hazard. Minimize ignition sources. If dust layers are exposed to elevated temperatures, spontaneous combustion may occur.. Pneumatic conveying and other mechanical handling operations can create combustible dust. To reduce the potential for dust explosions, electrically bond and ground equipment and do not permit dust to accumulate. Dust can be ignited by static discharge..

Fire Fighting Procedures: Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Surroundings with water to localize fire zone.. Hand held dry chemical or carbon dioxide extinguishers may be used for small fires. Dust explosion hazard may result from forceful application of fire extinguishing agents..

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (fire fighting helmet,coat, trousers, boots, and gloves).. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

6. Accidental Release Measures

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Clean up Procedures:

Pick up and arrange disposal without creating dust. Use suitable, closed containers for disposal.

Personal Protection

Isolate area. Refer to section 7, Handling, for additional instructions to protect unprotected personnel from entering the area. Use appropriate safety equipment. For additional information refer to section 7, Personal Protection.

Environmental Precaution

Do not let product enter drains.

Special Instructions:

Contaminated surfaces will be extremely slippery. The product can become very slippery when wet. Sweeping should not be allowed to accumulate on surfaces, as these may become airborne in the atmosphere in sufficient concentration. Avoid use of compressed air (with compressed air).

7. Handling and Storage

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Handling

Avoid contact with eyes. Wash thoroughly after contact with skin. No smoking, open flames or sources of ignition in handling area. Good housekeeping and controlling dust levels. Pneumatic conveying and other mechanical handling operations can create the potential for dust explosions, electrically bond and ground equipment to prevent accumulation. Dust can be ignited by static discharge.

Storage

Keep in a dry place. Store indoors. Store in a closed container.

8. Exposure controls and personal protection

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Engineering Control

Use process enclosures, local exhaust ventilation, etc. to keep exposure below recommended exposure limits. If user operates in an enclosure, keep exposure to airborne contaminants below the recommended limits.

Personal Protection

Eye/face Protection: Wear appropriate protective eyewear in accordance with OSHA's eye and face protection regulations in 29 CFR 1910.133 or similar Standard.

Skin and body protection: Wear appropriate protective clothing to prevent exposure. **Respiratory Protection** : Follow the OSHA's respiratory protection Standard or European Standard EN 149. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other effects are experienced.

Other Protection Measure

Handle in accordance with good industrial hygiene practices.

Exposure Limit

Not Available



Gloves Suit

9. Physical and chemical properties

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Physical state	Powder or granules
Colour	White or Off White
Odour	Odourless
Odor Threshold	Not Applicable
pH	6.5 - 8.5 1% aqueous solution.
Melting Point	Thermal analysis Decomposes before melting.
Freezing Point	Solid
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas)	No Data Available
Explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour Density	No Data Available
Relative Density (water = 1)	1.30 Volume Displacement
Partition coefficient	No data available
Explosive properties	None
Water Solubility	Completely Soluble in water
Auto Ignition temperature	170 °C Other guidelines
Decomposition temperature	135 °C Differential Scanning Calorimetry (DSC)
Kinematic Viscosity	Solid.
Oxidizing properties	No

10. Stability and reactivity

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Reactivity	No data available
Stability	Stable under recommended storage conditions. See Storage, Section 7
Possibility of hazardous reactions	Polymerization will not occur.
Conditions to avoid	Exposure to elevated temperatures can cause product to decompose. Avoid static discharge.
Incompatible materials	Avoid contact with oxidizing materials. Avoid contact with: Strong acids. Strong bases.
Hazardous Decomposition	Decomposition products depend upon temperature, air supply and the presence of other materials..

11. Toxicological information

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Acute oral toxicity	Very low toxicity if swallowed. Swallowing may result in gastrointestinal irritation. May cause nausea and vomiting. May cause abdominal discomfort or diarrhea. For the major component(s): LD50, Rat, 15,000 - 27,000 mg/kg
Acute dermal toxicity	Prolonged skin contact is unlikely to result in absorption of harmful amounts. LD50, Rabbit, > 2,000 mg/kg
Acute inhalation toxicity	Dust may cause irritation to upper respiratory tract (nose and throat). For narcotic effects: No relevant data found. LC50, Rat, 4 Hour, dust/mist, > 5.8 mg/l
Special Remarks on other Toxic Effects on Humans:	Skin corrosion/irritation :Prolonged contact is essentially nonirritating to skin. Serious eye damage/eye irritation : May cause slight eye irritation. Sensitization : Did not cause allergic skin reactions when tested in guinea pigs. For respiratory sensitization: No relevant data found. Specific Target Organ Systemic Toxicity (Single Exposure) : Evaluation of available data suggests that this material is not an STOT-SE toxicant. Specific Target Organ Systemic Toxicity (Repeated Exposure) : Based on available data, repeated exposures are not anticipated to cause significant adverse effects. Carcinogenicity : Contains component(s) which did not cause cancer in laboratory animals. Teratogenicity : Contains component(s) which did not cause birth defects or any other fetal effects in lab animals. Reproductive toxicity : Contains component(s) which did not interfere with reproduction in animal studies. Mutagenicity : Contains a component(s) which were negative in in vitro genetic toxicity studies. Aspiration Hazard : Based on physical properties, not likely to be an aspiration hazard.

12. Ecological information

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Eco Toxicity	Not information Available
COD and BOD 5	Not Available
Products Biodegradation:	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in soil	No Information available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Environmental Impact	No Data Available

13. Disposal considerations

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Waste treatment Method	Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water. The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact the authorized waste disposal services.
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14. Transport information

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Classification for ROAD and Rail transport (ADR/RID):

UN Number	Not applicable
Proper shipping name	Polyanionic Cellulose
Hazard Class	Not Hazardous
Packing group	Not Applicable
Environmental hazards	Not considered environmentally hazardous based on available data.
Special precautions for user	No data available.

Classification for SEA transport (IMO-IMDG):

UN Number	Not applicable
Proper shipping name	Polyanionic Cellulose
Hazard Class	Not Hazardous
Packing group	Not Applicable
Environmental hazards	Not considered environmentally hazardous based on available data.
Special precautions for user	No data available.
Transport in bulk according to Annex I or II of MARPOL	Not Applicable.

Classification for AIR transport (IATA/ICAO):

UN Number	Not applicable
Proper shipping name	Polyanionic Cellulose
Hazard Class	Not Hazardous
Packing group	Not Applicable
Environmental hazards	Not considered environmentally hazardous based on available data.
Special precautions for user	No data available.

15. Regulatory information

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Federal and State Regulation

REACH Regulation (EC) No 1907/2006

Polymers are exempted from registration under REACH if they have not been either registered, or are exempt from registration under REACH (REACH). The aforementioned indications of the data are believed to be accurate as of the effective date.

US State Regulations

WHMIS (Canada)

Chemical safety assessment

given. It is the buyer's/user's responsibility to ensure that the information provided for this product is correct.

Pennsylvania Right To Know: No components are known to be carcinogenic.

New Jersey Right To Know: No components are known to be carcinogenic.

California Prop. 65 Ingredients: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive harm.

Non Hazardous

No Chemical Safety Assessment has been carried out for this product.

16. Other information

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Other Information

The information above is believed to be accurate and complete as of the date it was made available to us. However, we make no warranty of accuracy or completeness, expressed or implied, with respect to such information, and we do not warrant that the information should make their own investigations to determine the accuracy of the information for particular purposes. In no event shall we be liable for any damages, including but not limited to, for lost profits or any special, indirect, incidental, or consequential damages, arising, even if **RX Marine International** has been advised of the possibility of such damages.

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