Material Safety Data Sheet

Poly Anionic Cellulose (RXSOL-81-8125-025)

1. Product and Company Identifaction

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

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

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2. Composition / informationon ingredients

Name of Substance	Cas Number	EC Num
PolyAnionic Cellulose	9004-32-4	Polymer

3. Hazards Identification

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 (GHS)

4. First Aid Measures

Eye Contact	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
Skin Contact	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.
Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing until recovered. If respiratory symptoms persist, get medical advice/attention.
Sawllowed:	IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical advice/attention if a large amount is ingested or if you feel unwell.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

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 pose 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 generate 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.. Cool 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 (includes 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

Clean up Procedures:	Pick up and arrange disposal without creating dust. Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.
Personal Protection	Isolate area. Refer to section 7, Handling, for additional precautionary measures. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
Enviromental Precaution	Do not let product enter drains.

Special Instructions:	Contaminated surfaces will be extremely slippery. Avoid spillage on floor as the product can become very slippery when wet. Sweep up to prevent slipping hazard. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

7. Handling and Storage

Handling	Avoid contact with eyes. Wash thoroughly after handling. Keep away from heat, sparks and flame. No smoking, open flames or sources of ignition in handling and storage area. Electrically ground and bond all equipment. Good housekeeping and controlling of dusts are necessary for safe handling of product. Pneumatic conveying and other mechanical handling operations can generate 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.
Storage	Keep in a dry place. Store indoors. Store in a closed container. Store away from sources of heat or ignition.
Advice on general occupational hygiene	Advice on safe handling Observe label precautions. Change contaminated clothing. Wash hands after working with substance.

8. Exposure controls and personal protection

Engineering Control	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Eye/face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Or any Similar Standard. Skin and body protection: Wear appropriate protective gloves and clothing to prevent skin exposure. **Respiratory Protection** : Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator exposure limits are exceeded or if irritation or other symptoms are experienced.
Other Protection Measure	Handle in accordance with good industrial hygiene and safety practice.
Exposure Limit	Not Available



Gloves



Suit

9. Physical and chemical properties

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

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

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 Toxi 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

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

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.

14. Transport information

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

Fedral and State Regulation	**REACh Regulation (EC) No 1907/2006** Polymers are exempted from registration under REACH. All relevant starting materials and additives have been either registered, or are exempt from registration according to Regulation (EC) No. 1907/2006 (REACH)., The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer´s/user´s responsibility to ensure that his/her understanding of the regulatory status of this product is correct.
US State Regulations	Pennsylvania Right To Know: No components are subject to the Pennsylvania Right to Know Act. New Jersey Right To Know: No components are subject to the New Jersey Right to Know Act. 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 defects.
WHMIS (Canada)	Non Hazardous
Chemical safety assessment	No Chemical Safety Assessment has been carried out for this substance/mixture.

16. Other information

Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **RX Marine International** has been advised of the possibility of such damages.

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