

## 1. Product and Company Identification

www.rxmarine.com

Product Name : Resin Anion  
Part Number : RXSOL-32-3111-025

### Company Details:

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

Phone +91 22 20871200 - 1400  
Fax +91 22 27612100 ::AOH :0091 9821214367  
Email [mail@rxmarine.com](mailto:mail@rxmarine.com)

## 2. Composition / Information on ingredients

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Chemical Name	CAS Number	Weight
Styrene, Divinylbenzene and Ethylstyrene Copolymer	69011-19-4	65-70%
De-ionized water	007732-18-5	30-35%

## 3. Hazards Identification

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Signal Word	Warning
Hazard Statements	P261 Avoid breathing dust. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves, clothing, and eye protection.
Precautionary statements - prevention	P302+P352 IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P304+P340 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P305+P351+P338P312 Call a POISON CONTROL CENTER or doctor if you feel unwell. P332+P313 If skin irritation occurs, seek medical attention. P337+P313 If eye irritation persists, get medical attention. Take off contaminated clothing and wash before reuse
Precautionary statements - response	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. <b>Storage:</b> Store locked up. Store in corrosive resistant stainless steel container with a resistant inner liner. <b>Disposal:</b> Dispose of contents/ container to an approved waste disposal plant.

## 4. First Aid Measures

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Eye Contact	Rinse immediately with plenty of water, also under the eyelids, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing before reuse. Thoroughly clean shoes before reuse.

Inhalation:

If inhaled, If inhaled, remove to fresh air. If not breathing, if difficult, give oxygen. Call a physician.

Ingestion:

If swallowed, do not induce vomiting. Allow victim to drink water. Never give anything by mouth to an unconscious person.

Notes to Physicians

Treat symptomatically.

## 5. Fire-fighting Measures

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Suitable extinguishing media

Use extinguishing measures that are appropriate to local conditions and environment.

Protective Equipment

Use personal protective equipment.

Combustion products

Carbon oxides and other toxic gasses and vapors

Advice for firefighters

Wear self-contained breathing apparatus. Wear full protective clothing.

Specific extinguishing methods

Fire residues and contaminated fire extinguishing water should be disposed of in accordance with local regulations. In the event of fire and/or explosion do not use water.

## 6. Accidental Release Measures

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Personal precautions

Avoid creating and breathing dust. See section 8. Use appropriate PPE (see section 8) Surface may be slippery.

Environmental Precaution

Do not allow contact with soil, surface or ground water. Notify relevant authorities immediately.

Methods and materials for containment and cleaning up

Sweep up material and transfer to a suitable container.

## 7. Handling and Storage

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Advice on safe handling

Avoid repeated freeze-thaw cycles; beads may fracture. For safe handling Use mechanical exhaust if dust is formed.

Storage

Normal warehouse storage in cool, dry area is satisfactory. Storage temperature: 0 to 50 °C (32 to 122°F )

Recommended shelf Life: Use within 24 months

Preferred Storage temperature is in the lower half of the range.

Keep away from strong oxidizers.

Specific End Use(s) Apart from the uses mentioned above.

General Advice

Wash hands after use. Do not to eat, drink and smoke.

## 8. Exposure controls and personal protection

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Engineering Control

Use local exhaust ventilation, or other engineering controls to meet or exceed applicable limit requirements or guidelines. If there are no applicable requirements, general ventilation should be sufficient for most operations.

Control Parameter

Contains no substances with occupational exposure limits.

Personal Protection

**Eye/face protection:** Use safety glasses (with side shields) to protect against particles which could cause eye discomfort, wear chemical resistant gloves.

**Skin protection**

Hygiene measures

Hand protection: Use gloves chemically resistant to the contact could occur. If hands are cut or scratched, use for brief exposures. Examples of preferred glove barriers or vinyl). Nitrile/butadiene rubber (nitrile) or vinyl specific glove for a particular application and duration account all relevant workplace factors such as, but not limited to, the nature of the work, the frequency of handling, physical requirements (cut/puncture protection), reactions to glove materials, as well as the instructions for use.

**Other protection:** Wear clean, body-covering clothing.

**Respiratory protection:** Under intended handling conditions, no respiratory protection is required.

Handle in accordance with good industrial hygiene and

## 9. Physical and chemical properties

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Form	Bead
Colour	White to Yellow
Odour	Amine
Boiling point and boiling range	Not Applicable
Flash Point	Not Applicable
Freezing Point	Not Applicable
pH	Not Applicable
Evaporation rate	Not Applicable
Flammability (solid, gas)	No data available
Upper explosion limit	Not Applicable
Lower explosion limit	Not Applicable
Explosive properties	No data available
Vapor pressure	Not Applicable
Relative vapor density	Not Applicable
Relative density	1.06 to 1.10
Water solubility	Insoluble in water
Solubility in other solvents	Not Applicable
Partition coefficient: octanol	No data available
Autoignition temperature	Not Applicable
Thermal decomposition	Not Applicable
Viscosity, kinematic	Not Applicable
Explosive properties	Not Applicable
Oxidizing properties	Not Applicable

## 10. Stability and reactivity

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Reactivity	No dangerous reaction known under conditions of normal use.
Stability	Stable under recommended storage conditions
Possibility of hazardous reactions	Polymerization will not occur.
Incompatible materials	Avoid contact with oxidizing materials. Oxidizing agents such as nitric acid attack organic exchange resins under certain conditions. Before using strong oxidizing agents, consult sources knowledgeable in handling such materials. The severity of the reaction with oxidizing materials can vary from slight degradation to an explosive reaction.
Hazardous Decomposition	Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products may be hazardous.

and are not limited to: Chlorinated hydrocarbons. Aromatic compounds. Hydrocarbons. Hydrogen chloride. Organic am  
Condition to Avoid Exposure to elevated temperatures can cause product to decompose.

## 11. Toxicological information

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Route of Exposure	Sensitization, Eye contact, Skin contact
Eyes	May cause slight temporary eye irritation. Solid or dust may cause irritation or corneal injury due to mechanical action
Skin	Prolonged exposure not likely to cause significant skin irritation. May cause more severe response if skin is abraded (scratched)
Ingestion	Not Applicable
Sensitization	For skin sensitization: No relevant data found. For respiratory sensitization: No relevant data found.
Chronic Exposure	Health injuries are not known or expected under normal use.
Acute oral toxicity	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts. Typical for this family of materials. LD50, Rat, female, > 5,000 mg/kg
Acute inhalation toxicity	No adverse effects are anticipated from inhalation. For respiratory irritation and narcotic effects: No relevant data found. The LC50 has not been determined.,
Acute dermal toxicity	No adverse effects anticipated by skin absorption. The dermal LD50 has not been determined.,
Classification	OSHA Hazard Communication Standard 29CFR 1910.1200.

## 12. Ecological information

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Environmental Effects	No data available
Toxicity to fish	Acute toxicity to fish Not expected to be acutely toxic, but material in pellet or bead form may mechanically cause adverse effects if ingested or aquatic life
Toxicity to daphnia and others	No data available
Toxicity to algae	No data available
Biodegradability	This water-insoluble polymeric solid is expected to be inert in the environment. Surface photodegradation is expected w sunlight. No appreciable biodegradation is expected.
Bioaccumulative potential	No bioconcentration is expected because of the relatively high molecular weight (MW greater than 1000).
Mobility in soil	In the terrestrial environment, material is expected to remain in the soil. In the aquatic environment, material will sink and remain in the sediment.

## 13. Disposal considerations

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Remarks	Please consider the relevant national or regional pro categories that can be handled separately by the local or
Waste Disposal	DO NOT DUMP INTO ANY SEWERS, ON THE WATER. All disposal practices must be in compliance laws and regulations. Regulations may vary in differ compliance with applicable laws are the responsibility SUPPLIER, WE HAVE NO CONTROL OVER T MANUFACTURING PROCESSES OF PARTIES HA THE INFORMATION PRESENTED HERE PERT

## 14. Transport information

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Hazard Pictograms:

DOT	Not regulated for transport
Classification for SEA transport (IMO-IMDG):	Not regulated for transport
Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code	Not regulated for transport
Classification for AIR transport (IATA/ICAO)	Not regulated for transport

## 15. Regulatory information

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OSHA Hazard Communication Standard	This product is not a <input type="checkbox"/> Hazardous Chemical <input type="checkbox"/> as defined by the Hazard Communication Standard, 29 CFR 1910.1200.
SARA III	Superfund Amendments and Reauthorization Act of 1980 (SARA) and the Community Right-to-Know Act of 1986) Sections 302, 303, and 304. This chemical is not listed as a hazardous chemical under 29CFR 1910.1200, and therefore is not subject to reporting requirements.
California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)	This product contains no listed substances known to the State of California to cause defects or other reproductive harm, at levels which would require labeling.
United States TSCA Inventory (TSCA)	All components of this product are in compliance with the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

## 16. Other information

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Other Information	<p>The information above is believed to be accurate and complete as of the date it was available to us. However, we make no warranty of accuracy or completeness, implied, with respect to such information, and we do not assume any liability for any errors or omissions. You 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.</p> <p><b>DISCLAIMER OF LIABILITY</b> :The information in this MSDS is believed to be reliable. However, the information is provided as a guide only and is not intended to be used for any purpose other than that for which it is provided. The conditions or methods of use are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for any damages, including but not limited to, for lost profits or any special, indirect, incidental, or consequential damages, arising in any way connected with the handling, storage, use or disposal of this product, and is to be used only for this product. If the product is used for any other purpose, the MSDS information may not be applicable.</p>
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