



ASHA Resins Limited

(Formerly known as Asha Resins Private Limited)

ASHAION C-180

Cationic Polyelectrolyte Powder

PRODUCT CODE:

ASHAION C-180

DESCRIPTION:

Ashaion C-180 is a low-charge cationic polyelectrolyte powder with a molecular weight of 8-11 million. It is designed for use in water and wastewater treatment applications, providing efficient coagulation and flocculation properties. Ashaion C-180 is ideal for industries that require solid-liquid separation, such as municipal water treatment, effluent treatment, and industrial water treatment. Its cationic charge enhances the agglomeration of particles, making it highly effective in removing suspended solids, organic matter, and turbidity from water. The product is especially useful in applications where high molecular weight and low charge density are required to achieve optimal performance.

SPECIFICATIONS:

Parameter	Details
Appearance	Off-white to pale beige powder
Charge	Low
Molecular Weight	8-11 million
Solubility	Fully water-soluble
Viscosity (1% Solution)	Varies depending on usage
pH Range	5 - 9
Flash Point	Not applicable (non-flammable)

Regd. Office: Gat No 227/2, Village Dhanore,
& Factory. Alandi-Markal Road, Tal. Khed
Dist. Pune - 412 105

CIN No: U99999MH1993PLC073569

Tel: 020-2638 2401
E-mail: office@asharesins.com
Website: www.asharesins.com
GSTIN: 27AABCA5790M1Z9



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ADVANTAGES:

1. **Low Charge Density:** Ideal for applications requiring a gentle coagulation process without over-flocculation, allowing for better control.
2. **Effective Solid-Liquid Separation:** Ensures excellent removal of suspended solids and turbidity from water.
3. **Improved Flocculation:** Enhances floc formation, leading to better settling rates and filtration efficiency.
4. **Low Dosage Requirement:** Requires less product to achieve the desired results, making it cost-effective for large-scale applications.
5. **Reduced Sludge Volume:** Minimizes sludge production, simplifying waste management.
6. **Non-Toxic and Safe for Water Treatment:** Safe for potable water applications, ensuring minimal environmental impact.
7. **Wide pH Range:** Performs well across a broad pH range, making it versatile for various water and effluent treatment applications.

APPLICATIONS:

- **Municipal Water Treatment:** Used for coagulation and flocculation in drinking water purification, particularly in moderate to low turbidity waters.
- **Industrial Effluent Treatment:** Highly effective in removing suspended solids, oils, and emulsions from industrial effluents, such as in the textile, paper, and chemical industries.
- **Wastewater Treatment:** Useful for municipal and industrial wastewater treatment plants where efficient solid-liquid separation is required.
- **Dye and Pigment Industry:** Excellent for clarifying effluents from dyeing and pigment industries, removing color and suspended solids effectively.

DOSAGE:

- **Typical Dosage Range: 1 - 5 ppm**, depending on the water quality, level of contamination, and specific treatment goals.
- **Jar Testing:** It is recommended to perform jar tests to determine the exact dosage based on the water characteristics and desired results.

METHODS OF DOSING:

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- **Laboratory:**

Prepare a 1% solution of Ashaion C-180 by dissolving 1 g of the powder in 100 ml of distilled water. Perform jar tests to evaluate coagulation or flocculation and to determine the optimal dosage.

- **Plant:**

A 0.1% to 1% dilution is recommended for plant-scale applications. The product can be dosed through a metering pump or manually, depending on the system setup. Adjustments to the dosage may be necessary based on the flow rate and water characteristics.

HANDLING PRECAUTIONS:

- **Dust Control:** Handle the product carefully to avoid inhaling fine powder particles. Use appropriate respiratory protection such as a dust mask when handling.
- **Skin & Eye Contact:** In case of contact with skin or eyes, rinse immediately with plenty of water.
- **Personal Protective Equipment (PPE):** It is recommended to wear gloves, goggles, and dust masks while handling the product to avoid irritation or contamination.
- **Corrosive Properties:** While Ashaion C-180 is not highly corrosive, always take precautions to prevent prolonged exposure to skin and eyes.

PACKAGING:

Ashaion C-180 is available in:

- **25 kg or 50 kg HDPE bags.**

STORAGE & SHELF LIFE:

- Store in a cool, dry place away from moisture and direct sunlight to preserve the product's integrity.
- Keep the product in its original sealed packaging until use.
- **Shelf life: 12 months** from the date of manufacture when stored properly.

MATERIAL HANDLING:

- Use corrosion-resistant equipment for handling and storing the product.

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- Flushing of feed systems with water is recommended if the product is not in use for an extended period.
- Ensure the product is stored in a clean, dry area to avoid contamination.

DISCLAIMER:

The information provided is based on the current knowledge and experience. However, the actual performance of the product may depend on specific conditions of use. We recommend conducting tests in your own processes to determine compatibility and performance.

For more information, including safety data sheets, please contact us.

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