



ASHAION A-95H

Anionic Polyelectrolyte Powder

DESCRIPTION:

Ashaion A-95H is a high-charge anionic polyelectrolyte powder with a high molecular weight, designed for use in various industrial applications, primarily for coagulation, flocculation, and solid-liquid separation. It is highly effective for water treatment and effluent treatment, helping to remove suspended solids, clarify water, and improve filtration processes. This product excels in industries where high charge density and larger molecular weight are required for optimal performance in wastewater treatment and clarification.

SPECIFICATIONS:

Parameter	Details
Appearance	Off-white to pale beige powder
Charge	High
Molecular Weight	19-24 million
Solubility	Fully water-soluble
Viscosity (1% Solution)	Varies depending on usage
pH Range	5 - 9
Flash Point	Not applicable (non-flammable)

ADVANTAGES:

- High Charge Density:** Provides superior performance in coagulation and flocculation, especially for high-suspended solids and challenging effluents.
- Effective Solid-Liquid Separation:** Excellent at removing suspended particles from water and effluents, improving water clarity.
- Reduced Sludge Volume:** Results in lower sludge volume and improved dewatering compared to traditional inorganic coagulants.

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4. **High Molecular Weight:** Enhances flocculation efficiency, providing faster settling and improved solid separation.
5. **Versatile Application:** Can be used in a variety of industrial, municipal, and wastewater treatment processes.
6. **Improves Filtration:** Helps improve filtration rates, resulting in better treated water.
7. **Environmentally Friendly:** Anionic polyelectrolytes like Ashaion A-95H offer low toxicity and minimal environmental impact when used correctly.

APPLICATIONS:

- **Wastewater Treatment:** Effective in treating effluents from various industries, including paper, textile, food processing, and chemical industries.
- **Water Clarification:** Used in municipal and industrial water treatment plants for clarification and solid-liquid separation.
- **Solid-Liquid Separation:** Ideal for use in industries where efficient removal of suspended solids is required.
- **Effluent Treatment:** Used to treat high turbidity waters and remove emulsified oils or suspended solids from industrial effluents.
- **Dye and Pigment Industry Effluent:** Excellent for color removal and suspended solids treatment in the dye and pigment industry.

DOSAGE:

- Typical dosage range: **2 - 15 ppm**, depending on the characteristics of the water or effluent and the required treatment performance.
- **Jar testing** is recommended to determine the optimal dosage for each application. The exact dosage depends on the nature of the effluent and the required coagulation or flocculation effect.

METHODS OF DOSING:

- **Laboratory:**
Prepare a 1% solution of Ashaion A-95H and perform jar testing to determine the optimal dosage for coagulation or flocculation.
- **Plant:**
A 0.1% to 1% solution is typically prepared and applied to the system using

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a metering pump. For better results, the solution may be diluted further before use. Multiple application points can improve performance.

HANDLING PRECAUTIONS:

- **Dust Control:** Ashaion A-95H is a fine powder, so it is important to minimize airborne dust. Wear a dust mask and protective gloves while handling.
- **Eye and Skin Contact:** In case of contact with eyes or skin, rinse immediately with plenty of water.
- **Corrosive Properties:** Although not highly corrosive, it is recommended to handle with care to avoid prolonged skin exposure.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, such as gloves and safety goggles, when handling the product.

PACKAGING:

Ashaion A-95H 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.
- Keep the product sealed in its original packaging to maintain its effectiveness.
- Shelf life: **12 months** from the date of manufacture.

MATERIAL HANDLING:

- Use proper material handling practices to avoid contamination and exposure.
- Ensure the product is stored in clean, dry areas to prevent moisture from affecting its performance.

DISCLAIMER:

The information provided in this document is based on reliable data; however, Asha Resins Pvt Ltd cannot guarantee specific results as conditions and

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methods of use are beyond our control. We recommend that users test the product for compatibility with their specific applications.

For additional information, samples, or Material Safety Data Sheets, please contact:

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