



## TECHNICAL DATA SHEET (TDS)

Product Name: ASHAION® FL 434 CM

Product Category: Flocculant

Type: Cationic Flocculant

### Product Description

ASHAION FL 434 CM is a high-performance cationic flocculant engineered for efficient sludge dewatering and enhanced solid-liquid separation in secondary clarification processes. This product is specifically formulated to deliver fast floc formation, excellent settling, and improved sludge handling across municipal and industrial wastewater treatment applications.

### Applications

- Sludge dewatering in municipal and industrial wastewater treatment plants
- Secondary clarification processes in biological treatment units
- Conditioning of activated, digested, or waste-activated sludge
- Dewatering using belt filter presses, centrifuges, or chamber filter presses

### Typical Properties

Property	Value
Appearance	Off-white to light beige granular powder
Ionic Character	Cationic
Molecular Weight	Medium to High
Active Content	≥ 85%
Bulk Density	~0.65 g/cm <sup>3</sup>
Solubility	Completely soluble in water
Shelf Life	24 months from date of manufacture when stored in original sealed packaging

### Handling & Storage

- Store in a cool, dry, and well-ventilated area.
- Avoid exposure to direct sunlight, moisture, and high humidity.
- Use personal protective equipment (PPE) including gloves and safety goggles while handling the product.

- Avoid inhalation of dust during handling.
- Refer to the Safety Data Sheet (SDS) for complete safety guidelines.

### **Packaging**

Available in 25 kg moisture-resistant bags or as customized per customer requirement.

### **Regulatory Compliance**

Complies with relevant environmental and safety standards for industrial flocculants. Non-toxic and non-corrosive under recommended usage.

### **Technical Support**

Our team provides technical assistance for jar testing, product selection, and application optimization. For support, contact [sales@asharesins.com](mailto:sales@asharesins.com) or call +91 70282 00892.