



## Technical Data Sheet (TDS)

Product Name: ASHAION® PE 463 CH

Category: Polyelectrolyte

Type: Cationic

### Product Description:

ASHAION® PE 463 CH is a high molecular weight cationic polyelectrolyte specifically designed for sludge dewatering in Effluent Treatment Plants (ETPs) and Dissolved Air Flotation (DAF) systems. It provides excellent floc formation and rapid settling for high solid concentration wastewater systems, resulting in clearer supernatant and more efficient sludge management.

### Key Applications:

- High-sludge Effluent Treatment Plants (ETPs)
- Dissolved Air Flotation (DAF) systems
- Municipal and industrial wastewater treatment
- Sludge thickening and dewatering processes

### Product Characteristics:

Property	Value
Appearance	Off-white to light beige granular powder
Ionic Nature	Cationic
Molecular Weight	High
Bulk Density	0.65 – 0.85 g/cm <sup>3</sup>
Solubility	Completely soluble in water
pH (0.1% solution)	6.0 – 8.0

### Typical Composition: (Approximate values)

- Cationic Polyacrylamide: 90%

- Anti-dust Agent: 1%
- Moisture Content: 9%

### **Handling & Storage:**

Store in a cool, dry, and well-ventilated area.

Avoid exposure to moisture and direct sunlight.

Use appropriate protective gear when handling the dry powder.

### **Packaging:**

25 kg moisture-resistant HDPE-lined bags or customized packaging as per customer requirement.

### **Shelf Life:**

24 months from the date of manufacture when stored in original, unopened packaging under recommended storage conditions.

### **Safety & Precautions:**

Avoid contact with eyes and prolonged skin exposure.

In case of accidental contact, rinse with plenty of water.

Refer to the Safety Data Sheet (SDS) for detailed safety and first-aid information.