



Technical Data Sheet (TDS)

Product Name: ASHAION® PE 465 CL

Product Type: Polyelectrolyte

1. Product Description

ASHAION® PE 465 CL is a low molecular weight cationic polyelectrolyte specifically designed for use in compact effluent treatment plants (ETPs) and systems handling mild to moderate effluent loads. It aids in enhancing solid-liquid separation, improving sludge settling, and reducing overall turbidity in treated water.

2. Applications

- Compact ETPs with low sludge generation
- Mild industrial effluent loads
- Primary and secondary clarifiers
- Sludge dewatering units
- Wastewater recycling systems

3. Key Features & Benefits

- Effective at low dosage
- Enhances settling rate and sludge compaction
- Reduces turbidity and improves water clarity
- Easy to dilute and apply in automated systems
- Compatible with a wide range of pH levels

4. Typical Properties

Property	Specification
Physical Form	White to off-white powder
Ionic Nature	Cationic
Molecular Weight	Low
Bulk Density	0.6 – 0.8 g/cm ³
Solubility	Completely water-soluble

Moisture Content	≤ 10%
pH (0.5% Solution)	4.0 – 6.0

5. Handling & Storage

- Store in a cool, dry, and well-ventilated area
- Avoid contact with moisture during storage
- Use protective gloves, mask, and eye protection during handling
- Shelf life: 24 months from the date of manufacturing if stored properly in sealed packaging

6. Packaging

25 kg HDPE-lined kraft paper bags or as per customer requirement

7. Regulatory Information

This product is non-hazardous under normal use conditions. Please refer to the SDS for detailed safety and handling instructions.