



Technical Data Sheet (TDS)

Product Name:

ASHAION® FL 435 CL

Category:

Flocculant

Type:

Cationic Flocculant

Product Description

ASHAION FL 435 CL is a low molecular weight cationic flocculant designed for efficient solid-liquid separation in small-scale wastewater treatment systems. Its rapid floc formation and dewatering characteristics make it highly effective in applications involving secondary clarification and sludge thickening.

Applications

- Secondary clarification in small effluent treatment plants (ETPs)
- Sludge thickening and dewatering operations
- Industrial wastewater systems with moderate solids load
- Pretreatment stages in biological and chemical treatment processes

Key Features & Benefits

- Effective flocculation at low dosages
- Fast settling and clear supernatant
- Compatible with a wide range of wastewater types
- Reduces sludge volume and disposal costs
- Enhances performance of mechanical dewatering equipment

Physical & Chemical Properties

Property	Specification
Appearance	White to off-white granular powder
Ionic Nature	Cationic
Molecular Weight	Low
Active Content	80–90%
Solubility	Completely soluble in water
Bulk Density	~0.6–0.8 g/cm ³
pH (0.1% solution)	4.0–6.0

Handling & Storage

- Store in a cool, dry, and well-ventilated area
- Keep container tightly closed when not in use
- Avoid contact with moisture and direct sunlight
- Shelf life: 24 months from date of manufacture when stored as recommended

Packaging

Standard packaging: 25 kg HDPE-lined paper or PE bags
Custom packaging available on request

Safety & Precautions

- Avoid inhalation of dust; use appropriate personal protective equipment (PPE)
- In case of skin or eye contact, rinse immediately with plenty of water
- Refer to the Safety Data Sheet (SDS) for detailed information

Note: This TDS provides typical properties and performance data for ASHAION FL 435 CL. It is not a specification and does not include formulation details.