



Technical Data Sheet (TDS)

Product Name: ASHAION® FL 432 AL

Product Type: Flocculant

1. Product Description

ASHAION FL 432 AL is an anionic flocculant specifically designed for small-scale clarification and sludge treatment applications. It offers effective particle aggregation and sedimentation, ensuring efficient solids separation from wastewater in compact treatment systems.

2. Applications

- Small-scale wastewater treatment plants (ETP/STP)
- Sludge dewatering and thickening processes
- Municipal and industrial effluent clarification
- Primary and secondary sedimentation tanks

3. Key Features & Benefits

- Excellent floc formation with low dosage
- Fast settling and improved sludge compaction
- Reduces turbidity and suspended solids
- Suitable for low-to-medium TSS loads
- Stable performance across a wide pH range

4. Typical Properties

| Parameter | Value |
|---------------------|------------------------------------|
| Physical Appearance | White to off-white granular powder |
| Ionic Nature | Anionic |
| Molecular Weight | Low |
| Bulk Density | 0.6–0.8 g/cm ³ |
| Solubility | Completely soluble in water |
| pH of 0.1% solution | 6.0 – 8.0 |

5. Handling & Safety

- Use personal protective equipment (PPE) including gloves, goggles, and face mask.
- Avoid dust generation during handling.
- In case of contact with skin or eyes, rinse immediately with water.

- Refer to the Safety Data Sheet (SDS) for detailed information.

6. Storage & Shelf Life

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture.

Shelf life: 24 months from the date of manufacture when stored in original, sealed packaging.

7. Packaging

Available in 25 kg HDPE bags with inner liners or customized packaging as per client requirement.

8. Regulatory Information

Non-hazardous as per standard transport and handling classifications.

Compliant with general industrial water treatment safety norms.

Manufacturer:

Asha Resins Limited

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