



# TECHNICAL DATA SHEET (TDS)

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## **Product Name: ASHAION® OC 410 PA**

Product Type: Organic Coagulant

Application: Coloured Industrial Wastewater Treatment

### **Product Description**

ASHAION® OC 410 PA is a polyamine-based organic coagulant designed specifically for the treatment of coloured industrial wastewater. It effectively reduces suspended solids and colour in wastewater by neutralizing negatively charged particles, allowing for efficient removal through conventional treatment processes. This coagulant is highly effective in various industrial applications, such as textile, paper, and dye industries.

### **Key Features & Benefits**

- Efficient Colour Removal: Highly effective in removing colour and suspended solids from industrial wastewater.
- Polyamine-Based Formula: Provides strong coagulation properties for superior wastewater treatment.
- Compatible with Other Treatment Chemicals: Can be used in combination with flocculants and other treatment agents for enhanced performance.
- Improved Settling: Enhances the flocculation process, leading to faster settling of particles.
- Non-Toxic and Environmentally Safe: Safe for handling and use in wastewater treatment.

### **Recommended Dosage**

The dosage of ASHAION® OC 410 PA depends on the nature of the wastewater, including its pH, temperature, and the type of contaminants present. Typically, a dosage range of 5-20 mg/L is recommended, but field trials should be conducted for optimal results.

### **Physical Properties**

- Appearance: Clear to slightly yellowish liquid
- Density: 1.05 - 1.15 g/cm<sup>3</sup>
- pH (1% Solution): 4.5 - 5.5

- Viscosity: Low to moderate
- Solubility: Completely soluble in water

## **Handling & Storage**

- Storage Conditions: Store in a cool, dry place away from direct sunlight. Keep containers tightly closed when not in use.
- Shelf Life: 12 months from the date of manufacture when stored properly.
- Handling Instructions: Wear appropriate protective equipment, including gloves and goggles, during handling. Avoid prolonged skin contact.

## **Safety Notes**

- First Aid Measures:
  - Skin Contact: Rinse with plenty of water. If irritation persists, seek medical attention.
  - Eye Contact: Flush eyes with water for at least 15 minutes and seek medical advice if irritation persists.
  - Inhalation: Move the affected person to fresh air. Seek medical attention if symptoms persist.
  - Ingestion: If swallowed, seek immediate medical advice. Do not induce vomiting.
- Precautions:
  - Avoid eye and skin contact.
  - Do not ingest.
  - Use only as directed in industrial wastewater treatment.

## **Applications**

- Textile Industry: Treats coloured effluents from dyeing processes.
- Paper Industry: Removes colour and suspended solids from paper mill wastewater.
- Dyeing & Printing Industries: Effective for the treatment of effluents in textile dyeing and printing.
- General Industrial Wastewater Treatment: Suitable for a wide range of industrial applications requiring colour and solid removal.

## **Contact for Technical Support**

For more information or support regarding the application of ASHAION® OC 410 PA, please contact our technical support team.

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