



TECHNICAL DATA SHEET (TDS)

Product Name: ASHAION® OC 412 HM

Product Type: Organic Coagulant

Application: Sludge Reduction in Effluent Treatment Systems

Product Description

ASHAION® OC 412 HM is a high-performance organic coagulant specifically designed for small to medium-scale industrial effluent treatment applications. It facilitates rapid floc formation and efficient sludge compaction, helping to significantly reduce the sludge load in primary and secondary treatment processes. The proprietary blend combines the advantages of high molecular weight polymers with inorganic coagulants for enhanced performance across a broad pH range.

Key Features & Benefits

- Rapid coagulation and floc formation
- Effective in low and medium TDS effluents
- Compatible with most treatment systems and additives
- Reduces sludge volume and improves dewatering efficiency
- Enhances sedimentation and clarifier performance
- Works efficiently in varying pH and temperature conditions

Typical Applications

- Textile and Dyeing Industry Effluent
- Pulp and Paper Industry Wastewater
- Small-Scale Industrial ETPs
- Municipal Sewage Treatment
- Slaughterhouses and Agro Processing Plants

Physical & Chemical Properties

Parameter	Specification
Appearance	Clear to pale yellow liquid
pH (1% Solution)	4.0 – 6.0
Specific Gravity (@25°C)	1.05 – 1.15
Solubility	Completely soluble in water
Shelf Life	12 months from date of manufacture

Handling & Storage

- Store in a cool, dry place away from direct sunlight.
- Keep containers tightly closed when not in use.
- Avoid freezing and excessive heat exposure.
- Use clean and dry containers for transfer.

Packaging Options

- 35 kg / 50 kg HDPE carboys
- 200 kg HDPE drums
- 1000 kg IBCs (on request)

Safety & Precautions

- Use personal protective equipment (gloves, goggles, apron).
- In case of skin or eye contact, rinse immediately with clean water.
- Do not ingest. Seek medical attention if swallowed.
- Refer to the Safety Data Sheet (SDS) for detailed guidelines.

Manufacturer

Asha Resins Limited

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