ASHA Resins Limited
(Formerly known as Asha Resins Private Limited)

TECHNICAL DATA SHEET (TDS)

Product Name: ASHAION® MC 312 D

Product Type: Membrane Cleaner (Dispersant)

Application: RO Membrane Cleaning

Product Description

ASHAION® MC 312 D is a high-performance dispersant cleaner formulated for reverse osmosis (RO) membrane systems. It effectively disperses and removes fouling caused by settleable solids, including silt, clay, and other particulate matter. The product enhances membrane cleaning efficiency, prolongs membrane life, and helps restore system performance.

Key Features & Benefits

- Effectively disperses settleable and particulate fouling
- Prevents redeposition of loosened foulants during cleaning
- Compatible with all polyamide and cellulose acetate membranes
- Enhances membrane cleaning cycles and reduces downtime
- Non-oxidizing and biodegradable formulation

Applications

- Industrial RO systems
- Brackish water and wastewater RO plants
- Desalination units
- RO systems with heavy silt or particulate loading

Usage Guidelines

- Dilution: Dilute with deionized or RO permeate water before use.
- Concentration: Typically used at 2–5% solution depending on fouling severity.
- Temperature: Cleaning is most effective at 30–35°C.
- Contact Time: Circulate for 30–60 minutes per cleaning cycle.

• pH Range: Operates effectively in neutral to slightly alkaline conditions (pH 6–8).

Physical & Chemical Properties

Parameter	Value
Appearance	Clear to pale yellow liquid
pH (1% solution)	6.0 – 8.0
Specific Gravity	1.05 ± 0.05 @ 25°C
Solubility	Completely soluble in water
Odor	Mild

Packaging

Available in 5 kg, 25 kg, and 50 kg HDPE drums or as per customer requirement.

Storage & Shelf Life

• Store in a cool, dry, and well-ventilated area.
• Avoid direct sunlight and freezing conditions.
• Shelf life: 12 months from the date of manufacture in original sealed containers.

Handling & Safety

• Use gloves and goggles while handling the product.
• Avoid contact with eyes and prolonged skin exposure.
• In case of contact, rinse thoroughly with water and seek medical attention if necessary.
• Refer to the MSDS for detailed safety and first aid measures.

Disclaimer

The above data is based on our current knowledge and experience. It is provided in good faith and does not constitute a guarantee of specific properties. Suitability of the product for specific applications should be evaluated by the user.