



TECHNICAL DATA SHEET (TDS)

Product Name: ASHAION® MA 340 B

Product Type: Membrane Antiscalant

Application: RO/NF Membrane Systems – Brackish, Waste & Seawater

Product Description

ASHAION® MA 340 B is a high-performance membrane antiscalant specifically formulated to control the formation of scale deposits in reverse osmosis (RO), nanofiltration (NF), and ultrafiltration (UF) systems. It effectively inhibits common scaling compounds such as calcium carbonate, calcium sulfate, barium sulfate, strontium sulfate, silica, and iron fouling.

The product is particularly effective in systems handling brackish water, wastewater reuse, and seawater, ensuring extended membrane life and optimal system performance.

Key Features & Benefits

- Controls scale formation from a wide range of inorganic salts.
- Compatible with all major RO/NF membranes.
- Effective over a broad pH range and wide concentration ratios.
- Reduces the frequency of membrane cleaning.
- Enhances membrane life and system reliability.
- Easy to use and dose – liquid formulation.
- Effective even in high-silica and high-hardness waters.

Typical Properties

Parameter	Value
Appearance	Clear to pale yellow liquid
pH (Neat)	3.0 – 5.0
Specific Gravity @ 25°C	1.10 ± 0.05
Solubility in Water	Completely soluble
Freezing Point	Below 0°C
Shelf Life	12 months (when stored properly)

Dosage Guidelines

Typical dosage range: 2 – 10 ppm depending on feed water chemistry and system recovery.

For optimal performance, system-specific dosage should be determined using water analysis and scaling prediction software.

Handling & Safety

- Use appropriate PPE: gloves, goggles, and protective clothing.
- Avoid contact with skin and eyes.
- In case of contact, rinse immediately with water.
- Refer to MSDS before handling.

Packaging

Available in 25 kg, 50 kg HDPE drums, and 200 kg barrels.

Custom packaging available on request.

Storage & Shelf Life

Store in a cool, dry place, away from direct sunlight.

Keep container tightly closed when not in use.

Shelf life is 12 months from the date of manufacture.

Compatibility

ASHAION® MA 340 B is compatible with all polyamide RO membranes from major manufacturers such as Dow FilmTec™, Hydranautics, Toray, GE, and Koch.

Regulatory Compliance

- Does not contain any heavy metals or substances classified as hazardous to the environment.
- Designed in compliance with NSF/ANSI Standard 60 requirements (certification to be verified).

Contact for Technical Support

Asha Resins Limited

Gat No. 227/2, Alandi-Markal Road,

Dhanore Village – 412105, Maharashtra, India

☎ +91 91461 29932

✉ sales@asharesins.com

🌐 asharesins.com