



ASHAION® MA 342 S

Membrane Antiscalant for High Silica Applications

Engineered for Performance. Trusted for Protection.

Product Overview

ASHAION® MA 342 S is a high-performance membrane antiscalant specifically formulated to prevent scaling in RO membranes treating high-silica and metal-rich water sources. It is ideal for brackish water, wastewater reuse, and seawater desalination applications, where silica and metal oxide scaling are a major operational challenge.

Key Features & Benefits

- ✓ Effective Silica Control – Specialized polymers inhibit silica scale formation, even under high rejection rates.
- ✓ Metal Oxide Fouling Prevention – Protects membranes from iron, manganese, and aluminum fouling.
- ✓ Broad Compatibility – Suitable for all leading RO/NF membranes (Dow, Hydranautics, Toray, etc.)
- ✓ Wide pH Range – Effective between pH 5 – 10, minimizing the need for pH adjustment.
- ✓ High Concentration Formula – Allows for low dosing, reducing chemical consumption.
- ✓ Non-Acidic – Safer to handle and environmentally responsible.

Applications

- Brackish water RO systems
- High-silica industrial process water
- Desalination plants
- Municipal wastewater reuse
- Groundwater with metal contamination

Typical Properties

Property	Value
Appearance	Clear to hazy liquid
pH (1% Solution)	3.0 – 5.0
Specific Gravity (25°C)	1.05 – 1.15
Solubility	Fully soluble in water
Compatibility	All polyamide membranes

Dosing Guidelines

- Typical Dose: 2 – 6 ppm based on feedwater characteristics
- Dosing point: Prior to cartridge filter or membrane housing
- For specific recommendations, consult our technical support team.

Packaging & Shelf Life

- Available Packs: 25 Kg / 50 Kg HDPE Carboys & Drums
- Shelf Life: 24 months in sealed original packaging
- Storage: Store in a cool, dry place. Avoid direct sunlight and freezing.

Why Choose ASHAION® MA 342 S?

- ✓ Made in India. Globally benchmarked.
- ✓ Backed by strong R&D and ISO 9001:2015 quality standards
- ✓ Prompt delivery and technical support across India

Contact Us

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