



# TECHNICAL DATA SHEET (TDS)

## Product Name: ASHAION® MA 341 G

Product Type: Membrane Antiscalant

Application: General-purpose antiscalant for brackish water RO systems

### Product Description

ASHAION® MA 341 G is a high-performance, general-purpose membrane antiscalant specifically designed for reverse osmosis (RO) systems treating brackish water. It effectively inhibits the precipitation of calcium carbonate, calcium sulfate, barium sulfate, strontium sulfate, and other sparingly soluble salts. The product also helps disperse colloidal particles, reducing membrane fouling and enhancing system efficiency.

### Key Features & Benefits

- Effectively controls scale formation from calcium, barium, and strontium salts
- Compatible with all major membrane types (including polyamide and TFC membranes)
- Enhances membrane life and performance
- Reduces cleaning frequency and operational downtime
- Stable over a wide pH range
- Minimizes particulate fouling due to dispersant action

### Typical Properties

Property	Value
Appearance	Clear, light yellow liquid
pH (as supplied)	3.0 – 5.0
Specific Gravity (@25°C)	1.10 ± 0.05
Solubility	Completely miscible in water
Freezing Point	Below -5°C
Shelf Life	12 months in original sealed container

## Handling & Safety

- Use appropriate PPE (gloves, goggles) during handling
- Avoid contact with skin and eyes; in case of contact, rinse thoroughly with water
- Refer to the Safety Data Sheet (SDS) for full safety and first-aid guidelines

## Storage

- Store in a cool, dry, and well-ventilated area
- Keep container tightly closed when not in use
- Protect from direct sunlight and freezing conditions

## Packaging


Available in 25 kg, 50 kg, and 200 kg HDPE drums or as per customer requirements

## Usage Guidelines

- The dosage depends on feed water quality and system operating parameters
- Typical dosage range: 2–6 ppm
- For accurate dosing, a detailed system water analysis is recommended
- Compatible with in-line dosing systems

## For further technical support or application assistance, please contact:

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