



American Water Chemicals, Inc.

High Performance Membrane Antiscalants and Cleaning Chemicals

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AQUACARE-A-101Si R.O. Membrane Antiscalant – High CaSO₄ / SiO₂

Advantages

- **AQUACARE-A-101Si** is a premium broad spectrum antiscalant designed to inhibit inorganic scale formation and silica fouling in membrane separation processes.
- **AQUACARE-A-101Si** inhibits calcium sulfate scale at saturation levels of up to 600% and maintains good scale inhibition in the presence of moderate levels of silica.
- **AQUACARE-A-101Si** stops crystal growth of calcium sulfate scale. CaSO₄.2H₂O scale is almost impossible to remove once it has formed on an R.O. membrane.
- **AQUACARE-A-101Si** effectively controls silica up to 180% of its saturation limit in the reject.
- **AQUACARE-A-101Si** often surpasses the performance of other antiscalants under stressed conditions of high pH because of its better tolerance for hardness.
- **AQUACARE-A-101Si** has been approved by the National Sanitation Foundation (NSF) for the production of potable water in membrane separation processes.
- **AQUACARE-A-101Si** is environmentally compatible, especially where discharge of waste into the environment is a concern.



Typical Properties

Appearance.	Clear yellow to amber liquid
Odor.	Characteristic Odor
Solubility in water.	Complete
pH (as is) @ 25°C.	5 – 6
Specific Gravity.	1.20 ± 0.03

Safety and Handling

Store in a cool, dry place. In accordance with good safety practice, handle with care and avoid contact with eyes and prolonged or repeated contact with skin. For more information, see the Material Safety Data Sheet provided with this product.

Chemical Feeding and Control

AQUACARE-A-101Si is normally fed continuously prior to the final cartridge filter. It should be injected by chemical dosing pump from a dilution tank or directly from the drum to the feed water line. The amount of **AQUACARE-A-101Si** required to inhibit scale formation depends on the quality of feed water and size of the membrane system. The specific dosage rates will be specified by your AWC technical representative.

Packaging

AQUACARE-A-101Si is packaged in 55 gallon, non-returnable plastic drums.

ISO 9001 Certified Company

