



# American Water Chemicals, Inc.

High Performance Membrane Antiscalants and Cleaning Chemicals

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## AQUACARE-A-101Fe R.O. Membrane Antiscalant – High CaSO<sub>4</sub> / Fe / Mn

### Advantages

- **AQUACARE-A-101Fe** is a premium broad spectrum antiscalant designed to inhibit inorganic scale formation in membrane separation processes.
- **AQUACARE-A-101Fe** inhibits calcium sulfate scale at saturation levels of up to 600% and maintains good scale inhibition in the presence of moderate levels of iron.
- **AQUACARE-A-101Fe** stops crystal growth of calcium sulfate scale. CaSO<sub>4</sub>.2H<sub>2</sub>O scale is almost impossible to remove once it has formed on an R.O. membrane.
- **AQUACARE-A-101Fe** effectively stabilizes metal ions and disperses metal oxides in the concentrate stream.
- **AQUACARE-A-101Fe** often surpasses the performance of other antiscalants under stressed conditions of high pH because of its better tolerance for hardness.
- **AQUACARE-A-101Fe** has been approved by the National Sanitation Foundation (NSF) for the production of potable water in membrane separation processes.
- **AQUACARE-A-101Fe** 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-101Fe** 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-101Fe** 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-101Fe** is packaged in 55 gallon, non-returnable plastic drums.

ISO 9001 Certified Company

