



# Aquatreat 9530

*Silica Antifoulant for Membrane Systems*

**Aquatreat 9530** is a highly effective antiscalant, specially formulated for feedwaters with the highest levels of metal oxides, silica, and scale-forming minerals. It is effective over a wide range of concentrations, and does not flocculate dissolved polymers such as residual coagulants or iron or aluminum rich silica. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis (RO), nanofiltration (NF) and ultrafiltration (UF) systems. It inhibits polymerization of reactive silica, and disperses colloidal (non-reactive) silica.

## Product Highlights and Features

- **Effective in retarding polymerization and precipitation of silica.**
- **Effectively controls inorganic scales over a large concentration range.**
- **Suitable for use with Polyamide and Cellulose acetate membranes.**
- **Compatible with major manufacturer's RO, NF and UF membranes.**
- **Does not flocculate dissolved iron/ aluminum oxide/silica complexes.**
- **Effective in controlling calcium carbonate, Calcium, Barium & Strontium sulfate scales.**
- **Effective in feedwaters with pH range 5.0 – 10.0.**
- **NSF approved for drinking water treatment conforming to NSF/ANSI Std. 60.**

## Product Application

### Feed Point

Aquatreat 9530 should be injected into the feedstream prior to the static mixer and cartridge filter. Effective pH range is 5 –10. The product can be fed neat or diluted. If dilution is required, RO permeate or demineralised water is recommended. Please consult your AquaChem consultant for the ideal dose location and dilution guidelines for your system.

### Feed Rate

The recommended feed rate for Aquatreat 9530 is about 1 ppm of the product per 5 to 10 ppm Silica in the feed water. Maintenance of an adequate dose rate of the product is required at all times to ensure prevention of Silica fouling on the membranes. Once fouled with Silica deposits, the membranes are very difficult to clean.

Please contact your AquaChem consultant for establishing the correct dosage for your application.

### Packaging

Aquatreat 9530 is available in 25 Ltr pails and in 200 Ltr. drums.

### Safety & Handling

Please refer to the Material Safety Data Sheet.