

# Pretreat Plus<sup>®</sup>-0100

Antiscalant/Dispersant/Antifoulant

Pretreat Plus<sup>®</sup>-0100 is a powerful antiscalant, specially formulated for feedwaters with high 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.

## Product Features:

1. Effectively Controls:
  - Polymerization and precipitation of silica.
  - Inorganic scale over a large concentration range.
  - Calcium carbonate and calcium sulfate scales.
  - Precipitation of aluminum, iron, and heavy metal salts.
2. Compatible with RO, NF, and UF membranes from all major manufacturers.
3. Certified under ANSI/NSF Standard 60 for drinking water production.
4. Effective in feedwaters with a pH range of 5.1-10.0
5. Does not flocculate dissolved iron/aluminum oxide/silica complexes.

### SPECIFICATIONS - LIQUID

<b>Appearance:</b>	Clear, Colorless Liquid
<b>pH:</b>	≤ 2.0
<b>Specific Gravity:</b>	1.08 ± 0.04

### SPECIFICATIONS - POWDER

<b>Appearance:</b>	Colorless Powder
<b>pH (solution):</b>	11-12
<b>Mix Ratio:</b>	1.5 lbs : 1 gal water

## Dosing Recommendations:

*In the dosage range of 1–15 mg/L (neat), control of a wide range of inorganic scales at up to 100 x saturation values or higher is possible. By monitoring the concentrate stream and trend charts, optimal dosage can be achieved for the control of scales including that from calcium carbonate, calcium sulfate, barium sulfate, strontium sulfate iron hydroxide, aluminum hydroxide and silica.*

## Packaging:

Liquid: 5 gal (20 kg), 55 gal (220 kg), 220 gal, 275 gal  
 Powder: 2 lb, 4 lb, 25 lb, 45 lb

## Application:

*Pretreat Plus<sup>®</sup>-0100 should be injected into the feed-stream prior to the static mixer and cartridge filter. Effective pH range is 5.1–10. If frozen, may be thawed and mixed before use. Best used within 12 months.*

\*SDS available at [kingleetechnology.com](http://kingleetechnology.com)