

Pretreat Plus® S1000

Antiscalant/Dispersant/Antifoulant

Pretreat Plus® S1000 is a highly effective antiscalant, specially formulated for feed-stream of water treatment systems using membrane technology. It contains a combination of well-proven agents, which prevent crystallization of inorganic solutes while protecting membranes from deposition of colloidal particles. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis (RO), nanofiltration (NF) and ultrafiltration (UF) systems.

Product Benefits:

- Controls colloidal calcium phosphate in waste waters.
- Effective in retarding polymerization and precipitation of reactive and non-reactive silica.
- Effectively controls inorganic scales over a large concentration range.
- Certified under ANSI/NSF Standard 60 for drinking water production.
- Compatible with major manufacturer's RO, NF, and UF membranes.
- May be used diluted or undiluted.
- Effective in feedwaters with pH range 5.0–10.0.
- Efficacious for controlling aluminum, iron, and heavy metals.
- Protects membrane surface from deposition of colloidal foulants.

SPECIFICATIONS: LIQUID	
Appearance:	Clear, Yellow, Aqueous
pH:	2.0 ± 0.5
Specific Gravity:	1.06 ± 0.05

Application:

Pretreat Plus® S1000 most ideally should be injected into the feed-stream prior to the static mixer and the cartridge filter. Effective pH range is 3–12. If frozen, may be thawed and mixed before use. Stability is excellent, but best used within 12 months.

Dosing Recommendations:

In the useful dosage range of 2–30 ppm, control of a wide range of inorganic scales at up to 100 x saturation values 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:

Standard pails, drums, and totes for liquid.

*SDS available upon request at klt@kingleetechnology.com

