

#### **Classics**

## Pretreat Plus® 0100 Conc.

Antiscalant/Dispersant/Antifoulant



**Pretreat Plus® 0100 Conc.** is provided as an eight (8) fold concentrate. The concentrate is diluted with seven (7) equal volumes of purified water to form Pretreat Plus® 0100, which is a powerful broad spectrum antiscalant, specially formulated for feedwaters with high levels of scale-forming minerals, as well as metal oxides and silica. It is effective over a wide range of concentrations, and does not flocculate dissolved polymers such as residual coagulants or iron- or alumi-num-rich silica. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis (RO) and nanofiltration (NF) systems.



www.productospolo.com

818-333-9896, 818-333-9696 ventas@productospolo.com



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### KL<sup>™</sup> LpH Membrane Cleaner

**KL<sup>™</sup> LpH** is a heavy duty action low pH powder cleaner that quickly and easily mixes with water to make an easy-to-use cleaning solution that effectively removes a wide range of inorganic scale such as metal hydroxides, carbonates, phosphates and inorganic membrane foulants from reverse osmosis (RO), nanofiltration (NF), and ultafiltration (UF) membrane elements. Use alongside KL<sup>™</sup> HpH for a comprehensive cleaning. If a more aggressive low pH cleaner is needed, try Diamite<sup>™</sup> LpH Plus.



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#### Targeted

### KL<sup>™</sup> Silica Membrane Cleaner

**KL<sup>™</sup> Silica** is a targeted powder cleaner that quickly and easily mixes with water to make an easy to use cleaning solution that is specifically formulated for removing aluminum, iron, and other metal silicates, including reactive and colloidal foulants and coagulated polymers. Compatible with thin film composite, cellulose acetate, and polysulfone membranes. Use alongside our Pretreat Plus® line of antiscalants for comprehensive membrane protection.

#### **Features Dilution Ratio** Targeted performance silica cleaner. Prepare each cleaning solution using a ratio of 1 lb of cleaning powder to 10 gallons of permeate or DI $\,$ Specifically formulated for removing alumwater. If the system is not drained before cleaning, assume that approximately 4 gallons of water is present in each 8"x40" membrane element and 1 inum, iron, and other metal silicates. gallon of water is present in each 4"x40" membrane element after a throrough system flush. Removes reactive and colloidal silicate foulants and coagulated polymers. Powder formulation makes shipping and handling more efficient. Compatible with RO, NF, and UF Specs membranes from all major manufacturers. Appearance: Product pH (1%): Colorless to Tan $4.1 \pm 1.1$ • Certified under NSF/ANSI Standard 60 for Crystals drinking water production. Application Packaging Clean in the following order or as recommended by a KLT team member: KL<sup>™</sup> LpH, KL<sup>™</sup> Silica, KL<sup>™</sup> HpH. Clean 2 lb (0.9 kg), 4 lb (1.8kg), when the train's normalized productivity has decreased 25 lb (11.3 kg), 45 lbs (20.4 kg) 15% from clean operation. Soak and circulation times will vary based on membrane condition. Monitor andmaintain recommended pH throughout cleaning by adding neat chemical, if necessary. Document each step with results to empirically fine-tune your procedure. King Lee Technologies NSF/ANSI 60 SDS available at kingleetech.com 8949 Kenamar Drive Bld.107 San Diego, CA 92121 USA. Ph (800) 800-9019 Fx (858) 693-4917 www.kingleetech.com

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Ósmosis Inversa, Membranas, Suavizadores, Sistemas Ultravioleta Válvulas, Filtros, Cartuchos, Bombas, Controles Electrónicos

#### Classics

# KL™ HpH Membrane Cleaner

**KL™ HpH** is a heavy-duty action high pH powder cleaner that quickly and easily mixes with water to make an easy to use cleaning solution that effectively removes a wide range of organic particulates such as silt, colloids, organics, biogrowth, and other acid-insoluble foulants from reverse osmosis (RO), nanofiltration (NF), and ulta-filtration (UF) membrane elements. Use alongside KL<sup>™</sup> LpH for a comprehensive cleaning. If a more aggressive high pH cleaner is needed, try Diamite<sup>™</sup> HpH Plus.



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