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FILTRON 45 ANTI-SCALANT FOR RO SYSTEMS WITH HIGH SILICA FEEDWATER

APPLICATION

Many types of modern reverse osmosis membranes are easily fouled by the presence of high silica levels in the feedwater. Since softeners do not adequately remove silica, a polymeric anti-scalant/dispersant is usually added to the R.O. feedwater to inhibit silica and hardness deposition and the resulting loss of permeate flow.

FILTRON 45 is a liquid anionic polyelectrolyte solution specifically designed for use in preventing silica fouling of R.O. membranes. In addition, it is also an excellent crystal growth distorter and dispersant of suspended solids and colloids.

FILTRON 45 allows the operation of R.O. systems with concentrate stream silica in excess of 300 ppm and scaling indexes (LSI) in excess of +2.0 units.

FILTRON 45 is manufactured under NSF approved methods for use in potable water systems.

SAFETY & HANDLING PROCEDURE

This product is a mildly acidic material. It is not considered hazardous, however safe handling procedure associated with industrial chemicals of this type are recommended.

FEEDING TECHNIQUE

Normally this product is delivered ready-to-use or it may be diluted in a separate chemical mixing tank. It may be pumped neat from the drum or tote. **FILTRON 45** may be added directly to the R.O. feedwater by way of a metering pump. If the water flow is variable, readily available flow controllers may be utilized to "pace" the chemical injection to the flow of the feedwater. Consult your CH₂O Water Treatment Specialist for additional details.

CONTROL

Maintain a residual of 3 to 10 parts per million of product in the feedwater at all times. Contact your CH₂O Water Treatment Specialist for further information on analytical testing

EQUIPMENT

Contact your CH₂O Water Treatment Specialist for assistance in selecting metering equipment.

PHYSICAL PROPERTIES

pH (Neat)..... 4.1-5.1
Pounds per Gallon 9.0-9.5
Physical Appearance Hazy Amber Liquid
Odor Slightly Acrid
Flash Point N/A

Seller Warranty

CH₂O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH₂O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH₂O products is subject to the Standard Terms and Conditions as listed on CH₂O, Inc.'s website at: www.ch2o.com.



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