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**Product
Bulletin**

FILTRON DC DECHLORINATOR & ANTIOXIDANT FOR REVERSE OSMOSIS SYSTEMS

APPLICATION

Many types of modern reverse osmosis membranes are extremely sensitive to the presence of chlorine in feedwater. Since most municipal water supplies contain residual levels of chlorine used in the disinfection process, it must be removed prior to the R.O. process.

FILTRON DC is used to neutralize harmful oxidant residuals (such as chlorine) to protect delicate and expensive R.O. membranes. This product is NSF 60 certified for use in potable water systems at a maximum use rate of 29 mg/L.

SAFETY & HANDLING PROCEDURE

This product is acidic and has a strong, pungent odor. It is necessary to use a respirator with OV/AG cartridges for handling open containers of **FILTRON DC**. Review the SDS for this product for complete safety and handling requirements before use.

FEEDING TECHNIQUE

FILTRON DC can be used as-is, or it may be diluted before use. **FILTRON DC** may be added directly to the R.O. feedwater by way of a metering pump. If the water flow is variable, flow controllers may be utilized to "pace" the chemical injection to the flow of the feedwater. Contact your CH₂O representative for assistance in selecting metering equipment.

Note that **FILTRON DC** is acidic; any chemical handling equipment that contacts the product must be compatible.

DOSAGE

Part of the product fed to the system will be used by oxygen in the feed water. After this demand has been met, a dose of 1.4 fluid ounces of **FILTRON DC** per 1,000 gallons of feed water should be sufficient to neutralize 1 ppm chlorine. Increase or decrease product feed rate to account for the actual oxygen and chlorine residual in the feed water, while observing a maximum dose rate of 29 mg/L of **FILTRON DC**.

CONTROL

Maintain a residual of 0.5 to 1.0 parts per million of sulfite in the system at all times as tested by CH₂O's **SS-1** test kit. Follow the SO₃ test with a free chlorine test to confirm the absence of chlorine.

Daily testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. It is the customer's responsibility to monitor and maintain treatment levels.

Contact your CH₂O representative for further information on analytical testing.

PHYSICAL PROPERTIES

pH of 1% Solution..... 4.0-6.0
Pounds per Gallon..... 10.3-10.7
Physical Appearance..... Colorless to Lt. Gray Liquid
Odor..... Strong, Pungent
Flash Point..... NA

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 product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. 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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