



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA
360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com

**Product
Bulletin**

FILTRON 63 CHLORINE NEUTRALIZER 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 63 is a liquid chlorine neutralizer that can neutralize harmful oxidant residuals in order to protect delicate and expensive R.O. membranes. This product should not be used on R.O membranes for potable water.

SAFETY & HANDLING PROCEDURE

This product has a neutral pH. Care should be taken to maintain the pH of this product in at neutral to alkaline pH residual. Although the product is not considered hazardous, safe handling procedures associated with industrial chemicals of this type are recommended.

FEEDING TECHNIQUE

FILTRON 63 can be used as-is, or it may be diluted in a separate chemical mixing tank before use. **FILTRON 63** 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.

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 2.7 fluid ounces of **FILTRON 63** 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.

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. Contact your CH₂O representative for further information on analytical testing.

PHYSICAL PROPERTIES

pH of 1% Solution..... 6.0-8.0
Pounds per Gallon..... 8.7-9.2
Physical Appearance..... Clear Liquid
Odor..... None
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 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



VERSION DATE: June 18, 2004

REVISION DATE: December 2014

