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# PHOS TROL F POTABLE WATER TREATMENT

### APPLICATION

Natural water sources are corrosive to metal and contain dissolved minerals such as calcium magnesium, iron and manganese.

These minerals can precipitate in distribution lines and water heaters to reduce system flow and efficiency. Certain minerals cause unsightly build-up and staining of fixtures. In some instances, hydrogen sulfide, or other natural compounds may be present, which impart undesirable taste and odors.

In turn, **PHOSTROL F** has the ability to “tie up” calcium and magnesium to help prevent troublesome scale deposits. Additionally, **PHOSTROL F** reacts with iron and manganese to reduce staining and fouling.

**PHOSTROL F** is certified by NSF to meet ANSI/NSF Standard 60 at 25 mg/L, or less (as product). It is an inorganic sequestrant specially designed for use in potable water systems. **PHOSTROL F** has the ability to hold many times its own weight of metal ions (calcium, magnesium, iron, etc.) in solution. The treatment can sequester as much as 150 times the existing calcium weight, thus eliminating the formation of crystalline deposits. It also acts as a corrosion inhibiting agent through formation of a monomolecular film on exposed metals.

### SAFETY & HANDLING PROCEDURE

This product is a mildly acid liquid. It can be safely handled using the standard precautionary procedures associated with industrial chemicals of this type. Avoid prolonged or repeated contact with product.

### FEEDING TECHNIQUE

Pump directly from the shipping container into water supply line of the system. Alternatively, pump from a chemical dilution and feed tank.

### DOSAGE

Chemical addition should be continuous to provide an even product concentration. Use at the rate of 0.5 to 2.0 fluid ounces per 1,000 gallons of water to be treated. 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 with support from a CH<sub>2</sub>O Sales Representative.

### CONTROL

Maintain a residual of 0.5 to 1.5 parts per million of total phosphate. Consult your CH<sub>2</sub>O Sales Representative for further testing information.

### PHYSICAL PROPERTIES

pH of 1% Solution .....	6.0-8.0
Pounds per Gallon .....	11.2 – 11.6
Physical Appearance .....	Clear Liquid
Odor .....	Mild
Flash Point .....	NA

### **Seller Warranty**

CH<sub>2</sub>O 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. CH<sub>2</sub>O 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 CH<sub>2</sub>O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH<sub>2</sub>O products is subject to the Standard Terms and Conditions as listed on CH<sub>2</sub>O, Inc.’s website at: [www.ch2o.com](http://www.ch2o.com).



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