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# FILTRON 75

## ACID DETERGENT FOR CLEANSING

### ULTRA FILTRATION/REVERSE OSMOSIS MEMBRANES

#### TYPICAL APPLICATION

Mineral (inorganic) scale foulants are often encountered in ultra filtration/reverse osmosis (UF/RO) systems. When these deposits build up on the membrane surfaces they cause loss of permeate flow and/or increased salt passage of UF/RO sepalators. In addition, the polymer integrity of the membrane may be altered. A build-up of deposits may also cause increased differential pressure across a sepalator or sepalator housing.

**FILTRON 75** is an acid detergent used for cleaning UF/RO membrane systems in the dairy, juice and food processing industries.

The product contains phosphoric and nitric acids; check with membrane manufacturer to insure compatibility before use. Misapplication of product could result in premature membrane failure.

#### **Concentrated**

**FILTRON 75** is a concentrated liquid cleaner that can be readily diluted with water and fed through commercially available pump systems.

#### **Low Foaming**

**FILTRON 75** has been formulated to produce a very low level of foam at use-dilutions so as to facilitate free-rinsing of membranes.

#### **Packaging**

**FILTRON 75** is available in either 55-gallon polyethylene drums, or intermediate bulk containers upon special request.

#### GENERAL USE DIRECTIONS

It is recommended to clean membranes with the proper alkaline cleaner before using **FILTRON 75**.

1. Dilute 3 to 4 gallons of **FILTRON 75** per 1000 gallons of water to yield a 0.30 or 0.40 percent use-solution for use on RO membranes, such as AFC-99.

or

2. Dilute 1 to 1.5 gallons of **FILTRON 75** per 1000 gallons of water to yield a 0.10 to 0.15 percent use-solution for use on UF membranes, such as FP-200.

#### SAFETY & HANDLING

**FILTRON 75** is a highly acidic product. Complete safety gear, including safety goggles and impervious gloves, should be worn to minimize exposure to product solutions. Refer to the material safety and handling instructions before using **FILTRON 75**.

#### CONTROL

Analytical testing is recommended to maintain proper control. Failure to monitor and maintain treatment levels can cause damage. In addition to monitoring and maintaining treatment levels, it is the customer's responsibility to ensure the product is fit for its intended application. Additional testing may be performed upon request.

#### PHYSICAL PROPERTIES

Physical Appearance ..... Light, Yellowish Liquid  
Odor ..... Pungent  
Foam ..... Low  
Rinsing Ability ..... Excellent  
pH of Use Solution ..... 1.0-2.0  
Specific Gravity ..... 1.35

#### **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 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 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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