

Product Information Sheet

ADVANTAGES

- High strength liquid formulation specifically designed to remove metal oxides from MF and UF membranes and ion exchange resins
- Reduces ferric iron to the soluble ferrous form and sequesters it to maintain it in solution
- Effective in dispersing some biofilms that may have formed a matrix with the metal oxides
- Assists in removal of carbonate and phosphate scales
- Compatible with all Thin Film Composite R.O. membranes from all major membrane suppliers
- Certified by NSF to NSF/ANSI Standard 60

TYPICAL PROPERTIES

Appearance	Clear, colorless liquid
Odor	Characteristic
Solubility in water	Complete

PACKAGING

5 gallon pails, 55 gallon non-returnable plastic drums, 275 gallon totes

AWC® UF-445

Iron Cleaner for MF/UF Membranes and IX Resin

SAFETY & HANDLING

Store in cool, dry and well ventilated area. Keep containers closed. Wash contaminated clothes before re-use. Wash thoroughly after handling. For more information, see the Safety Data Sheet provided with this product.

CHEMICAL FEEDING AND CONTROL

Use potable water that is free of residual chlorine or other oxidizing agents to make the cleaning solution (RO permeate or DI water are preferred). Prepare the cleaning solution by adding 17 lbs of AWC UF-445 for every 100 gallons of water (2 % by wt. solution) depending on severity of fouling. Heat water to the maximum temperature allowed by the module manufacturer. Circulate the cleaning solution throughout the modules, with the filtrate valve closed, in the feed direction for 30 min (for tubular designs) while maintaining a pH of 2-3. The direction of the flow can then be reversed and circulated for 30 more minutes. Measure the pH every 15 minutes. Add AWC UF-445 as necessary to the cleaning solution to maintain the pH range of 2-3 throughout the entire cleaning process. Repeat as necessary until solution pH remains stable for two consecutive readings. Systems that allow back flushing may be back flushed with cleaning solution from the filtrate to the feed for 15 minutes. After the cleaning is finalized the modules must be flushed with MF/UF filtrate.



P: +1.813.246.5448 // E: info@membranechemicals.com // www.membranechemicals.com