



TRICLEAN 310 LOW PH LIQUID ACID MEMBRANE CLEANER

- Removes iron and metal hydroxide fouling.
- Removes calcium carbonate scale
- Removes sulfate scales

PROBLEM

In many installations worldwide, RO membranes can become fouled with calcium carbonate scale and/or iron and other metal hydroxide colloids. These foulants can quickly lead to a loss of system performance associated with a decrease in permeate flow, and increase in differential pressure, and a loss of element rejection. If left unchecked, this fouling can permanently damage the membrane elements leading to costly and premature membrane replacement.

SOLUTION

TriClean 310, a 40% concentration liquid version of the TriClean 210, can be used where powder cleaners are undesirable. TriClean 310 removes calcium carbonate scale and iron and metal hydroxide colloids without damaging sensitive polyamide composite membrane elements.

APPLICATION

TriClean 310 should be mixed in a cleaning tank equipped with a mechanical mixer, heater, low pressure recirculation pump, and cartridge or bag filter. This cleaner works best when applied at a temperature of 40°-45°C, a pH of 2.5 to 3.5, and at a flow rate of 8-10 gpm per 4" pressure tube or 30-40 gpm per 8" pressure tube at a pressure of between 20-50 psi. Add 5 gallons of TriClean 310 per 100 gallons of RO permeate or DI water. Check and adjust pH if necessary. Add sodium hydroxide to increase the pH and add more TriClean 310 to decrease the pH. Recirculate solution for 1 hour checking pH regularly. Shutdown pump and allow to soak for 1 hour. After soak, recirculate for an additional 20 minutes and then rinse.

PACKAGING

TriClean 310 is shipped as a liquid in 5 gallon plastic pails or 55 gallon plastic drums. Pricing is F.O.B. our factory in Goleta, CA. Delivery for most orders is 1-2 days after receipt of order.

MSDS SHEETS

For the most up to date information on MSDS sheets, please contact our web site at www.trisep.com