



TRICLEAN 213 OXIDIZING POWDER CLEANER

- Aggressive cleaner used to remove biological, organic, and colloidal fouling on Polyamide Composite and CA membrane.

PROBLEM

In many installations worldwide, polyamide composite RO and NF membranes can become fouled with biological, organic, and colloidal foulants. 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 213 removes biological, organic, and colloidal foulants when other conventional cleaners, such as TriClean 212TF have failed. This is a non-chlorine oxidizing cleaner which can result in performance loss of CA and polyamide composite membranes.

APPLICATION

TriClean 213 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 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 at a pH of 11.5 for polyamide membranes and 7.8 for CA membranes. Add 1.1 lbs of TriClean 213 per 25 gallons of RO permeate or DI water. Recirculate solution for 1 hour checking pH regularly. Use sulfuric acid to lower pH and add additional TriClean 213 to increase pH. Shutdown pump and allow to soak for 1 hour. After soak, recirculate for an additional 20 minutes and then rinse.

PACKAGING

TriClean 213 is shipped as a powder in 40 lb and 100 lb plastic containers. 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