

TriClean™ 211

Low-pH Membrane Cleaner

In many installations worldwide, RO membranes can become fouled with sulfate scale, polymers, and manganese dioxide. These foulants can quickly lead to a loss of system performance associated with a decrease in permeate flow, 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.

TriClean 211, when used in conjunction with TriClean 210 or TriClean 217, removes sulfate scale, polymer fouling, and manganese dioxide without damaging sensitive composite membrane elements.

APPLICATION

TriClean 211 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 20-50 psi. Add 1 gallon of TriClean 211 per 100 gallons of RO permeate or DI water. Recirculate solution for 1 hour while 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 211 is shipped as a liquid in 5 gallon plastic pails or 55 gallon plastic drums.

SDS INFORMATION

For the most up to date SDS information, please contact MICRODYN-NADIR Technical Service or visit our website at www.microdyn-nadir.com.

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