Genesol 701
Membrane Cleaner (Acidic based Powder)

Description
Genesol 701 has been developed as an inorganic scale cleaner and iron solvent for Reverse Osmosis and Nano-filtration membrane systems.

Although Genesol 701 is designed to remove acid soluble inorganic foulants such as iron and calcium carbonate it is also effective in removing many of the micro-organisms found at the membrane surface.

Application
Genesol 701 should be used as a 1-2% solution, alternately soaked and recycled through the membrane system for 1-2 hours. When using Genesol 701, the cleaning solution pH will stabilize at pH 2.5 - 3.5. If the pH increases above this value during the cleaning process, the solution should be discarded and replaced. It is recommended that the membranes be cleaned at least 5°C above ambient temperature. The membrane manufacturer’s guidelines should be followed with respect to pH and temperature.

Before returning the plant to service, the membrane system should be thoroughly flushed, until the pH values of the feed and the discharge are the same. Following cleaning the product water conductivity may initially be high but should revert to normal after a few hours operation.

Genesol 701 is readily dissolved in water: cleaning solutions should be used immediately after preparation. As with most cleaning solutions, Genesol 701 solutions will tend to foam in use.

Health and Safety
Genesol 701 is a mixed blend of acid chelants and is classified as non-toxic. Low pH solutions are corrosive to carbon steel and concrete so all chemical tanks, pumps and pipe-work should be made from acid-resistant materials. A material safety data sheet is available on request.

Classification
CHIP: Irritant  |  UN: Corrosive

Packaging
Available in 10 kg kegs and 25 kg pails. Shelf life of Genesol 701 is 1-2 years under normal storage conditions. Ensure the pails remain sealed and the Genesol 701 remains dry.

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