



An ISO 9001 : 2008 Company

Product Facts

Memkleen 4010 Acidic Membrane Cleaner

GENERAL PRODUCT INFORMATION.

Memkleen 4010 has been developed as an inorganic scale cleaner and iron deposit remover for use in Reverse Osmosis and Nanofiltration membranes.

- Self-adjusting pH ensures the optimum solubility of iron salts.
- Can be used with both polyamide and cellulose acetate membranes.
- Effective against aluminium based foulants.

Physical and Chemical Product Properties.

The following are typical properties of Memkleen 4010 and should not be regarded as specification limits for the product. A product specification is available on request.

- appearance : Clear white to pale yellow
- pH as supplied : 2 - 3.

Applications and dosage level.

- Memkleen 4010 is highly effective when used as a 3-4% solution which should be soaked and recirculated around the system for a minimum of 1-2 hours.
- When using Memkleen 4010, the cleaning solution will stabilize at pH 3.7, If the pH increases above 4.2 during the cleaning process, the solution should be discarded and replaced by fresh solution.

- It is recommended that membranes should be cleaned at 25-30°C.

- After use, Memkleen 4010 should be neutralized to pH 6-8 with sodium hydroxide before discharge.

The membrane manufacturers guidelines with respect to pH and temperature should be complied with at all times.

Health and Safety.

Memkleen 4010 is an aqueous solution with a non-ionic biodispersant. From acute studies Memkleen 4010 has been classed as non-toxic. A material safety data sheet is available on request.

Packaging and shelf life.

Memkleen 4010 is available in HDPE 25kg / 5kg containers. The shelf life of Memkleen 4010 has been assessed at 2 years under normal storage conditions.

Dealer / Distributor



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