



MEMBRAN

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 Alkaline detergent for the washing of membranes

→ DESCRIPTION

Membran is a alkaline liquid detergent, to be used for the cleaning of UF and MF membranes present in all sectors of food industries, beverage bottling and pharmaceutical sector. The formulation of **Membran** enables to obtain an excellent cleaning (caustic potash) and sequestering (phosphonate) action with a high penetration, in order to remove residues of proteins and polyphenolic substances from the membranes.

Membran is able to easily remove organic residues from membranes, restoring the normal flow levels. **Membran** can also be used to remove organic contaminations from other sectors of the food industry.

→ TECHNICAL CHARACTERISTICS

Physical appearance: clear colourless liquid
 pH (100%): > 12
 pH (1% solution): >12
 Relative density at 20°C: 1,35 ± 0,05
 Conductivity 1% at 25°C: 15.6 mS/cm

The above indicated chemical-physical data represent the typical product's characteristics drawn from the analysis carried out on the product. These values are not a specification.

→ INSTRUCTIONS FOR USE*

Use **Membran** at variable concentrations from 0,5 to 1%. We suggest temperatures between 50 and 60°C with recycling times. Before the application of the product, it is necessary to verify the indications of tolerance to pH value and temperature of the membranes, indicated by the producer on the MSDS. Carry out a careful final rinsing with drinking-water in order to remove any possible trace of product.

→ FIELDS OF APPLICATION

For the alkaline cleaning of UF and MF membranes and tangential filtration equipments.





MEMBRAN

→ COMPATIBILITY OF THE FORMULATION

The compatibility of **Membran** with the materials to be washed must be evaluated on the basis of the production specifications indicated by plant manufacturers. In case of doubt, carry out a test on the single material before using the product.

→ PRECAUTIONS FOR HANDLING AND STORAGE

Store in the original containers and avoid extreme temperatures. Consult the Material Safety Data Sheet.

→ TITRATION METHOD

Sample: 50 mL of washing solution

Indicator: phenolphthalein

Titrating agent: hydrochloric acid (HCl) 1N

% (v/v) **Membran** = mL titrating agent x 0,285

% (w/w) **Membran** = mL titrating agent x 0,396

→ PACKAGING

25 kg net drums.

250 kg net drums.

1100 kg net IBC.

*The indications have been established for general use conditions. For conditions differing from the norm, for example depending on the particular water hardness, the working method or cleaning problems, please consult us; our technical service will be pleased to advise you and to cooperate with you.

