



# MEMBRAN Clor

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 Chlorine alkaline detergent for the washing of membranes  
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## → DESCRIPTION

**Membran Clor** is a liquid detergent with an average alkalinity with chlorine, suitable for the detergency of UF and MF chlorine-stable membranes present in all sectors of the food industry, beverage bottling and pharmaceutical sector.

**Membran Clor** is able to easily remove organic residues (proteins, hydro-colloids) from the membranes, restoring the normal flow levels.

**Membran Clor** can also be utilized to remove organic contaminations in other sectors of the food industry and is indicated above all for the cleaning of membranes in the dairy sector.

## → TECHNICAL CHARACTERISTICS

Physical appearance: yellow clear liquid  
 pH (100% solution) > 12  
 pH (1% solution at 20°C): > 12  
 Relative density at 20°C: 1,20 ± 0,05  
 Conductivity 1% sol. at 25°C: 1,26 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 Clor** at variable concentrations between 0,5 and 1%. We suggest temperatures between 20 and 25°C, with recycling times of at least 20-30 min. in the case of UF and MF chlorine-stable membranes. It is anyway necessary to verify before the application the indications about tolerance to pH and temperature of the membranes, which are indicated in the safety sheets by the producer. Carry out a careful final rinsing with drinking-water in order to remove any possible trace of the product.

## → FIELDS OF APPLICATION

For the alkaline cleaning of UF and MF membranes.





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## → COMPATIBILITY OF THE FORMULATION

The compatibility of **Membran Clor** with the materials to be washed must be evaluated on the basis of the production specifications indicated by plant manufacturers. In case of doubt always evaluate the single material before the utilization.

## → 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: phenophtalein + 1 spatula tip of sodium thiosulphate

Titration agent: hydrochloric acid (HCl) 1N

% (v/v) **Membran Clor** = mL titrating agent x 1,736

% (w/w) **Membran Clor** = mL titrating agent x 2,083

## → PACKAGING

25 kg net drums.

250 kg net drums.

\*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.

