

# Acid Cleaner Dim-ACD31

Chemical to clean reverse osmosis membranes (RO)

In normal operation, the reverse osmosis membrane **becomes dirty due to suspended solids, microorganisms, incrustations of inorganic salts and metals.** These deposits accumulate during operation and cause loss of osmotized water production.

Periodic cleaning of the membrane elements **minimizes the loss of performance and prolongs the life of the membranes.** Dim-ACD31 Acid Cleaner has been developed as a general purpose cleaner for the deposits and deposits of iron that are frequently found in membrane systems.



## Reasons to use it

In general, the cleaning of the membranes is necessary when observing any of the following situations, which have been **due to fouling or embedding of the membranes:**

- The osmotized water flow rate drops by 10% with respect to the flow established from the first 24 working hours (normal flow of production).
- Permeated water (osmotized) increases its conductivity (salt content) by 10%, compared to its normal conductivity, which will always be less than 10 microsiemens.
- The pressure drop of water from the entrance to the exit of the osmosis increases by 10% (loss of pressure at the outlet of the membranes).

## General Properties

Effective against deposits and incrustations.

Effective in **cleaning hard-to-clean organic tanks.**

Wide range of applications, including the **food industry.**

Liquid product, **easy to use.**

Low concentration of use and **compatible with most membranes.**

## Presentation

It comes in **drums of 25, 200 or 1000 liters.**

The maximum recommended storage period is 2 years.

## Technical Characteristics

Liquid product colorless and miscible with water in any proportion.

pH = 1'20. / Density: 1,22 gr/ cc.

## General Cleaning Procedure

Dim-ACD31 is **highly effective** when used in 1-2% solutions and alternating recirculation periods and soaking periods for 1-2 hours. The pH of the cleaning solution should be the minimum allowed by the manufacturer of the membranes.

If the pH of the cleaning solution increases during the process, Dim-ACD31 must be added or a new solution prepared. After cleaning and prior to discharge, **Dim-ACD31 solutions should be neutralized with sodium hydroxide** to pH 6-7 to prevent damage to the facilities.

After each cleaning, the membrane system should be washed with product water until similar pH values are reached in feed and reject. The conductivity of the permeate can increase when the plant is started after cleaning but will stabilize after a few hours of operation.

## Toxicity and Manipulation

Corrosive product on the skin, due to its low pH.

Read the safety data sheet carefully before handling the product, paying special attention to the protection of the skin and eyes.