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## **RPC-RO Membrane Cleaner**

### **GENERAL**

RPC-RO has been developed to clean tenaciously fouled membrane plants.

RPC-RO is used in the framework of a individually designed cleaning program co-ordinated by our application specialists.

- Compatible with many membrane types
- Excellent against scales in membrane plants.
- Removes persistent foulants, where other cleaners fail
  - Organic fouling
  - Biofouling
  - Dissolves metal oxides / hydroxides
- Clean membranes operate with less pressure or differential pressure, thus lowering the energy costs

### **APPLICATION AND DOSAGE**

- Please follow membrane manufacturer's guidelines for cleaning procedures (pH / temperature restrictions).
- RPC-RO is dissolved in turbidity-free water and circulated/soaked in the plant.
- Dose rate and soaking time depend on type and quantity of the foulant.
- RPC-RO is used as 1 -2 % solution and 2 hours circulation at 30 – 40 °C.
- If strongly coloured, discard solution after 2 h and prepare a new one.
- It is recommended to increase the pH with NaOH and the temperature of the cleaning solution to the maximum limits allowed by the membrane manufacturer.
- Let 3 h up to over-night soak.
- Rinse the membrane plant for at least 15 minutes until foam-free.
- Our representatives advise you on the best dose rate and cleaning program for your membrane plant.
- Our cleaning guidelines shall be followed.



## HEALTH AND SAFETY

RPC-RO is a proprietary blend of alkaline solubilising agents and strong complexants.

To prevent harm to humans and the environment the knowledge of the safety data sheet is mandatory and has to be documented in writing. It is forbidden to add RPC-RO to acidic solutions.

Please respect the material safety data sheet and the cleaning guidelines.

## CLASSIFICATION

CHIP Classification: Corrosive

UN Classification: Corrosive

## MATERIALS COMPATIBILITY

RPC-RO can be corrosive in solid form, if necessary check compatibility. In solution it is compatible with Acryl, PVC, PP, PVDF, stainless steel 1.4404, EPDM, Pharmed, PE and PTFE.

## TYPICAL PROPERTIES

Appearance: white powder

Bulk density:  $\approx 1,1 \text{ g/cm}^3$

pH (1 %): 12,5

Solubility in water: unlimited

## STORAGE AND SHELF LIFE

The shelf life of RPC-RO has been assessed at 2 years. The storage temperature should be below 35 °C.

Once opened, drums should be used up quickly or should be stored tightly closed cool and protected from moisture.

The safety data sheet contains more information.



## **PACKAGING**

Standard drum (PE)  
Standard drum (PE)

5 kg net  
25 kg net

The data and information contained in this data sheet are based on technical data and tests we believe to be reliable. They are offered in good faith for use by persons having appropriate technical skill at their own discretion and risk. Supplier has no control of design and operating conditions and consequently cannot assume any reliability for results obtained or damage incurred through the use of the product presented. ROPUR RPC Cleaners are continuously improved and therefore we reserve the right to modify or amend specifications without prior notice.