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RPC-OC Acidic Membrane Cleaner

GENERAL

RPC-OC is specially designed as an inorganic scale cleaner and iron deposit remover for use with Reverse Osmosis and Nanofiltration membranes.

- Compatible with polyamide and cellulose acetate membranes
- Has been approved for use in drinking water applications
- Self-adjusting pH ensures optimum solubility of iron salts
- Effective against aluminium based foulants
- Is approved for use by the major membrane suppliers

APPLICATION AND DOSAGE

- Please follow membrane manufacturer's guidelines for cleaning procedures (pH / temperature restrictions).
- RPC-RO is used as 3 - 4 % solution which should be soaked and recirculated around the system for at least 1 – 2 hours.
- When using RPC-OC, the cleaning solution will stabilise at pH 3.7. If the pH increases above pH 4.2 during the cleaning process, the solution should be discarded and replaced with a fresh solution.
- It is recommended that membranes should be cleaned at 25 – 30 °C.
- After use, RPC-OC should be neutralised to pH 6 – 8 with sodium hydroxide before discharge.
- Our cleaning guidelines shall be followed.

HEALTH AND SAFETY

RPC-OC is an aqueous solution based on stabilized ammoniated citric acid and other cleaning agents. From acute studies RPC-OC has been classed as non-toxic.

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



CLASSIFICATION

CHIP Classification: Non-hazardous
UN Classification: Non-hazardous

MATERIALS COMPATIBILITY

RPC-OC is corrosive to carbon steel. All chemical tanks, pumps and pipe-work should be made from acid-resistant materials.

TYPICAL PROPERTIES

Appearance: clear straw coloured liquid
Density: 1,18 – 1,20 g/cm³
pH as supplied 2,5
Freezing point ≈ 0 °C
Solubility in water: unlimited

STORAGE AND SHELF LIFE

The shelf life of RPC-OC has been assessed at 2 years under normal storage conditions.

The safety data sheet contains more information.

PACKAGING

Polyethylene container (PE)	25 kg net
Standard drum (PE)	250 kg net
Bulk – Container (PE)	1200 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.