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RPC-AC

Acidic Membrane Cleaner

GENERAL

RPC-AC is specially designed as a membrane cleaner to remove organic and inorganic deposits from UF-, NF- and RO membranes. RPC-AC has a good cleaning effectiveness against iron fouling, calciumphosphate scale and aluminium based foulants.

- Compatible with all acid-resistant membrane types, e.g. polyamide, PS, PVDF, PAN, PP.
- Wide range of applications
- Suitable for use in drinking water applications
- Corresponds to requirements of membrane manufacturer's if correctly used
- Liquid product, easy to use

APPLICATION AND DOSAGE

- Rinse plant before use in appropriate manner.
- RPC-AC is used as 0.3 – 1.5 % solution. It should be circulated at 25 – 30 °C for 1 – 2 hours, no overnight soak.
- Please follow membrane manufacturer's guidelines for cleaning procedures (pH / temperature restrictions). Specific cleaning advice only after individual technical consultation. pH and temperature have to be recorded during the cleaning.
- If pH increases during the cleaning process, more RPC-AC is added based on pH or if the solution is strongly coloured it should be discarded and replaced with a fresh solution.
- After use, RPC-AC is collected outside the membrane plant and neutralized with caustic to pH 6 – 8 before discharge.
- After use rinse plant thoroughly.
- The guideline on cleaning has to be respected.

HEALTH AND SAFETY

RPC-AC contains chemically pure mineral acids combined with a solubilising agent. RPC-AC causes severe burns. Do not breathe fumes. In case of contact with skin or eyes rinse immediately with plenty of water.

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



CLASSIFICATION

CHIP Classification: Corrosive
UN Classification: Corrosive

MATERIALS COMPATIBILITY

RPC-AC is compatible with stainless steel. All chemical tanks, pumps and pipe-work should be made from acid-resistant materials. Carbon steel, copper, brass and aluminium are not suitable.

TYPICAL PROPERTIES

Appearance: clear liquid
Density: 1,10 – 1,14 g/cm³
pH as supplied: < 1,0
Freezing point: < -15 °C
Solubility in water: unlimited

STORAGE AND SHELF LIFE

The shelf life of RPC-AC has been assessed at 4 years.
The safety data sheet contains more information.

PACKAGING

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|-----------------------------|--------------|
| Polyethylene container (PE) | 25 kg net |
| Standard drum (PE) | 245 kg net |
| Bulk – Container (PE) | 1.100 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.