



Comply with EU regulations  
**CEN/TS 164, EN 15039 and EN 15040** used for treatment of water intended for human consumption

## Scale Inhibitor ROPUR RPI-7000

Date: 01.11.2010

### GENERAL

**RPI-7000** is specially designed for stabilization of waters with high phosphate content. In addition to its phosphate inhibition capabilities, **RPI-7000** is effective against silicate scales. The product prevents effectively the deposition of metal oxides through sequestration.

**RPI-7000** is suitable for use in negative or neutral surface charged polyamide, cellulose acetate and polyether membranes. There is no interaction with the membrane material. **RPI-7000** is a multifunctional copolymer with a polyacrylic acid backbone suitable for use within broad pH ranges. The product does not contain any phosphonates and phosphates.

### APPLICATION AND DOSAGE

**RPI-7000** is liquid and should be dosed as concentrated as possible into the RO feed stream. The required dosage level depends on the operating conditions and water compositions and varies in the range of 1 to 10 ppm as delivered. **RPI-7000** is easy to be handled and does not contain any aggressive component. The pH value of the product is slightly acidic.

The dosage is controlled proportionally to the feed water flow. Standard metering pumps are used. Fitting materials are PE, PP or coated steel. It is recommended to inject **RPI-7000** undiluted or as solution up to 10%. If the product needs to be diluted, use only permeate or softened water. The diluted solutions has to be consumed within 48 hours after preparation.

### PHYSICAL PROPERTIES

Appearance:	clear, slightly yellow liquid
Density:	1,07 – 1,13 g/cm <sup>3</sup>
pH-value:	4,2 – 4,6
Freezing point:	0° C
Boiling point/boiling range :	100 °C
Solubility in water:	unlimited



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## **STORAGE & HANDLING**

**RPI-7000** is not classified as a hazardous chemical (GGVE/GGVS, ICOA/IATA). Standard regulations and precautions when dealing with chemical products have to be followed.

**RPI-7000** is easy to store. The storage temperature should be between +5 °C and 30 °C. The product is supplied in containers suitable for air or sea transportation.

The safety data sheet contains more information.

## **PACKAGING**

Polyethylene container (PE)	23.5 kg net
Standard drum (PE)	240 kg net
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 RPI Antiscalants are continuously improved and therefore we reserve the right to modify or amend specifications without prior notice.