



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-2800

Date: 01.12.2010

GENERAL

RPI-2800 is specially designed to inhibit the scale formation in RO-systems equipped with polyamide-, celluloseacetate- and polyethermembranes with anionically charged surface.

RPI-2800 is a stabilized modified polyacrylate. The product does not contain any phosphonates and phosphates.

RPI-2800 was developed as dispersant system and hardness-stabilizer for seawater RO. RPI-2800 is able to reduce organic fouling on membrane surfaces. A further advantage is the stabilizing effect for carbonate and sulphate scales.

APPLICATION AND DOSAGE

RPI-2800 is designed and approved as a highly efficient scale inhibitor for use with cellulose acetate and polyamide membranes. There is no interaction with the membrane material.

The dosage is controlled proportionally to the feed water flow. Standard metering pumps are used. Fitting materials are PE, PP or coated steel. In order to avoid biological fouling, the containers have to be cleaned from time to time with a 10 % sodium bisulphate solution.

RPI-2800 can be diluted with water in any ratio. However, it is recommended to inject the antiscalant undiluted or as solution up to 10 %. The diluted solutions have to be consumed within 48 hours after preparation. The required dosage level depends on the operating conditions and water composition and varies in the range of 1 – 5 ppm as delivered.

RPI-2800 is easy to be handled and does not contain any aggressive component. The pH value of the product is slightly alkaline.

PHYSICAL PROPERTIES

Appearance:	clear, dark yellow liquid
Density:	1,14 – 1,16 g/cm ³
Viscosity:	approx. 50 mPa.s
pH-value:	8,5 – 9,2
Freezing point:	- 6° C
Boiling point/boiling range :	< 100 °C
Solubility in water:	unlimited



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STORAGE & HANDLING

RPI-2800 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-2800 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

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