



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-5000A

Date: 01.11.2010

GENERAL

RPI-5000A is specially designed to inhibit SiO_2 scale formation in RO-systems with polyamide, cellulose acetate and polyether membranes with negative or neutral charged surface.

RPI-5000A is a stabilized solution blend of polymers and copolymers suitable for use within broad pH ranges. It is the most effective inhibitor against colloidal and dissolved SiO_2 deposit on the membrane surface. The allowable silica content in the RO-concentrate stream can be as high as 260 mg/l under the normal plant operating conditions. The product does not contain any phosphonates and phosphates.

APPLICATION AND DOSAGE

RPI-5000A 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. It is recommended to inject **RPI-5000A** undiluted. The required dosage level depends on the operating conditions and water composition and varies in the range of 1 to 10 ppm as delivered.

RPI-5000A is easy to be handled and does not contain any aggressive component. The pH value of the product is slightly acidic.

PHYSICAL PROPERTIES

Appearance:	clear, slightly yellow liquid
Density:	1,11 – 1,17 g/cm ³
pH-value:	4,8 – 5,3
Viscosity:	80 mPa.s
Freezing point:	- 10° C
Boiling point/boiling range :	100 – 105 °C
Solubility in water:	unlimited



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STORAGE & HANDLING

RPI-5000A 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-5000A is easy to store. The storage temperature should be between +2 °C and 35 °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

LENNTECH

info@lenntech.com

www.lenntech.com

Tel. +31-152-610-900

Fax. +31-152-616-289

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