

PRODUCT DATA SHEET

11. October 2011

RPB-PA20

Product Description

RPB-PA20 is a highly effective non-oxidising broad-spectrum biocide. Designed for the control of bacteria, algae and fungus in reverse-osmosis systems and other industrial water applications, **RPB-PA20** shows nearly instantaneous antimicrobial activity combined with rapid chemical breakdown. **RPB-PA20** complies with strict environmental discharge regulations as it degrades rapidly and naturally.

In conjunction with a dispersing agent, slime deposits will be effectively and rapidly removed. **RPB-PA20** is free of formaldehyde. The product can be inactivated by hydrolysis and under high pH-value conditions. pH-values above 9,3 will destroy the active ingredients rapidly.

Application and Dosing

RPB-PA20 is in liquid form and should be dosed On-Line and undiluted into the RO-feed stream. Typical use concentrations will vary between 10 – 50 mg/l, where the recommended application time is 60 minutes. Microbiologically fouled membranes should be cleaned prior **RPB-PA20** antimicrobial shock treatment. For severely fouled systems **RPB-PA20** can be dosed to the feed stream in concentrations of max. 90 ppm for a period of 30-60 minutes.

In most cases it is recommended to apply the product as shock-dosage. Dosing frequency depends on the microbiological activity of the RO feed water and the status of the membranes. Usually one shock dosage per week is sufficient.

RPB-PA20 can also be used as continuous Biocide dosage. Recommended dosage level would be in the range of 1 – 3 mg/l to the RO feed.

Physical Properties

Appearance:	colourless to amber liquid
pH - value	2 - 5
Specific gravity:	1,16 - 1,21 g / cm ³
Solubility in water:	complete
Melting point:	- 25° C to -20° C

Storage and Transportation

RPB-PA20 is classified as harmful product. Normal safety instruction for handling of chemicals should be considered. Storage temperature should be between 0° and + 35° C. Additional information can be obtained from Material Safety Data Sheet.

Packaging

RPB-PA20 is packed in 1.200 kg bulk containers. On request packaging in 250 kg drums and 20 kg pails (net weight) is available.

The information contained herein are based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results. to be obtained from the use thereof.