



PRODUCT DATA SHEET

PRO-TEK SRP 3

MEMBRANE BIOCIDES

PRODUCT BENEFITS

- Fast-acting biocontrol additive
- Broad spectrum of activity
- Readily degraded to inactive and harmless by-products
- Compatible with most membrane types

PHYSICAL & CHEMICAL PROPERTIES

These properties are typical. Refer to the Material Safety Data Sheet (MSDS) for the most current data.

PHYSICAL STATE	Liquid
APPEARANCE	Clear/Colourless
ODOR	Slight
SPECIFIC GRAVITY	1.15-1.2
pH (neat solution)	3.5-4.5/2.2
Flash Point (PMCC):	> 100 °C
Freeze Point:	21 F [- 6 C]

Note: These physical properties are typical values for this product and are subject to change.

TREATMENT AND DOSAGE REQUIREMENTS

This product must be used in accordance with the instructions on its label. General guidelines for product use are as follows.

It is recommended that biologically/organically fouled membranes be cleaned with alkaline-based cleaners before using low pH cleaning programmes.

PRO-TEK SRP 3 can remove biofouling on a circulation or once-through basis. With a normal circulation cleaning programme, it is preferable to preclean the membranes with an alkaline cleaner such as PRO-TEK SRP 5 before using a 200-400 ppm (0.005%) solution of PRO-TEK SRP 3, which

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should be circulated around the system for 45 to 120 minutes. The cleaning solution temperature should be maintained below 25°C (77°F) at a pH 6.0 to 7.0. Rinsing and cleaning with an alkaline surfactant to remove any residual organic debris should follow this cleaning programme.

PRO-TEK SRP 3 is readily deactivated by sodium bisulfite. Before returning the system to service, the operator must ensure that any residual cleaning products are removed from the membrane surfaces by thorough flushing.

GENERAL DESCRIPTION

For typical chemical and physical properties, refer to the PRO-TEK SRP 3 Material Safety Data Sheet

With lightly fouled membranes and pre-treatment equipment, PRO-TEK SRP 3 should be dosed on a regular basis directly to the feedwater at a level of 25 to 100 mg/L for 30 to 45 minutes. This procedure minimises the need for plant shutdown as it will slow the rate at which a biofilm develops. In a potable water treatment with ultra-filtration, nanofiltration or reverse osmosis membranes, the product water should be discharged during the period of use and for 30 minutes after the PRO-TEK SRP 3 treatment has been terminated

PRINCIPAL USES

PRO-TEK SRP 3 is a fast-acting, non-oxidising, antimicrobial formulation with a broad spectrum of activity developed to control the planktonic and sessile microorganisms that may form as biofilms on membrane surfaces and in pre-treatment vessels and pipework. PRO-TEK SRP 3 is compatible with polyamide RO and NF membranes and can be used with other OWS products as part of a routine cleaning programme or as an on-line treatment programme to reduce the rate of biofouling

HANDLING

Read the label and Material Safety Data Sheet for complete handling information before using this product

REMARKS

For assistance and information, such as product availability and packaging, contact your nearest PRO-TEK representative.