

# Microtreat BIO™

Microbiological control for RO/UF Systems

Microtreat BIO™ is a non-oxidizing product designed to control biofouling of thin film composite and cellulose acetate membranes.

Product	Ideal For	Membrane	Application	pH
Microtreat BIO™	Microbiological Control	Thin film and cellulose acetate.	-Continuous feed -Static Soak -Hot-shot -Cleaning Process	Med./ Low

## Microtreat BIO™

Microtreat Bio is a safe, effective non-oxidizing, sanitizing agent. Microtreat Bio™ is effective on a continuous feed basis, in static soaks and in a hot-shot method. It is safer and more convenient to use than formaldehyde, chlorine or hydrogen peroxide.

### Direction for use as part of membrane cleaning procedure:

- The water system should be cleaned with a low pH cleaner (such as Diamite LpH) first to remove the inorganic scale.
- Flush the water system with good quality water for twenty (20) minutes to remove the low pH cleaner and inorganics.
- Static soak: make up a 1% solution of Microtreat BIO. Recirculate solution through the system for fifteen (15) minutes at low pressure, then turn off the pump. Soak the water system being treated for one (1) hour. Longer soak time may be necessary if the system is heavily infected. Flush the treated system with good quality water for twenty (20) minutes.
- The water system should be cleaned with a high pH cleaner (such as Diamite AFT) after Microtreat BIO to remove the organic material.
- Flush the system with good quality water for twenty (20) minutes).
- Discard system product for a minimum of 15 minutes after minutes after system start-up.

## PROCEDURES

### - **Continuous Feed (non-potable applications only)**

Recommended dosage is 3-5 ppm by continuous injection.

### - **Static Soak**

Static soak in a 1% solution (1:100 v/v) for one hour on a periodic basis. (For CA membranes, solution needs to be acidified to pH = 4 to 6)

### - **Hot Shot**

Recirculate a 20% solution (20:100 v/v) for a minimum of one hour, (Not recommended for CA membranes.)

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