

BioSoft™ Biocide Solution

Reduced Biofouling with Engineered Biocides Solutions for Enhanced Membrane Performance and Reduced Maintenance Costs

TECHNICAL DATASHEET

- Sea and Brackish Water Treatment
- Reuse and recycling of industrial effluents
- RO and NF Membrane Operations
- Boiler Feed Water
- Cooling Tower Water
- High Purity Water Systems
- Removal of Impurities from Feed Water

DESCRIPTION

BioSoft™ Biocides is a multi-functional and improvised biocide solution formulated to prevent biofouling and biological deposits in membrane surfaces. Good for improved membrane performance, reduced downtime, and extended membrane life.

- Appearance: Clear, colorless to pale yellow liquid
- Chemical Base: Non-oxidizing and oxidizing biocide blends
- pH Range: 4.0 - 8.0 (as supplied)
- Density: 1.02 - 1.05 g/cm³ at 25°C
- Solubility: Fully soluble in water
- Packaging Options: Available in 25 kg and 50 kg HDPE drums
- Shelf Life: 24 months from the date of manufacture when stored in a cool, dry environment, away from direct sunlight.
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FEATURES AND BENEFITS

1. Broad-Spectrum Antimicrobial Activity: Effectively controls bacteria, fungi, and algae in membrane systems.
2. Membrane Compatibility: Specifically developed for compatibility with polyamide, polysulfone, and other common membrane materials.
3. Improved Biofouling Resistance: Maintains system performance by minimizing biofilm development and reducing differential pressure.
4. Optimized Dosing Solutions: Flexible dosing options for continuous or shock treatment.
5. Eco-Conscious Composition: Low environmental impact with biodegradable formulations available.

PREPARATION AND DOSING

- Dosage Recommendations:
 - Continuous Dosing: 10-20 ppm
 - Shock Treatment: 20-50 ppm for high microbial load systems.
- Dosing Points: Upstream of membrane system
- Monitoring: Adjust dosing as required for good performance

SAFETY AND HANDLING

- Safety Precautions: Use gloves and safety goggles when handling.
- First Aid: In case contact, wash with plenty of water..
- Spillage: Neutralize with plenty of clean water.



Technical Support

For dosing recommendations, troubleshooting, or customized solutions, contact our technical team:

Email: contact@greenpebbletech.com

Phone: +91 749 000 2323

www.greenpebbletech.com