

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-47804040
Email :- sales@rakiro.net

Doc No : TDSWTROB900
Date : 01-02-2024
Type : UDAAQ
Product Code : WTROB900

PRODUCT DATA SHEET**1 INFORMATION**

WTROB900 - DBNPA based RO Membrane Bio Fouling Cleaner (NSF CERTIFIED)

2 DESCRIPTION

RO membranes often get fouled by organic matter and other slimy deposits. This damages the membrane and reduces efficiency of RO systems. Our WTROB900 is an DBNPA based broad spectrum microbiocide, which is highly effective against all type of Biofilm including sessile & planktonic organisms. WTROB900 helps to keep the membrane surface free from biofouling, and preserving it clean. WTROB900 is very effective and suitable for potable water systems.

3 SALIENT FEATURES

Planktonic & sessile microorganism growth prevented.
Compatible with tap water, brackish water, sea water & other chlorine resistance membrane.
Broad spectrum biocide that Cleans organic debris and biofilm.
Suitable for sanitizing biofoulant membrane.

4 ANALYTICAL DATA

Appearance	:	Clear Colourless to pale yellow Liquid
pH	:	Acidic
Density	:	1.0 To 1.2

5 HANDLING INSTRUCTIONS

Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.

6 RECOMMENDED DOSAGE

WTROB900 application depend on the severity of the membrane fouling and specific system parameter, Kindly refer RO Membrane manufacturer literature for specific product application.

OFFLINE CLEANING PROCESS

A) Potable Water - We recommend a 2% by volume solution of WTROB900 should be used to circulate for 1 hrs and soak the membrane for a contact time of 2-3 hrs depending on the Biological contamination.

B) Non-Potable Water - We recommend a 10% by volume solution of WTROB900 should be used to circulate for 1 hrs and soak the membrane for a contact time of 2-3 hrs depending on the Biological contamination.

Note: After the cleaning solution is removed, an alkaline surfactant based cleaning solution (WT-ROC1800) should be used to remove dead organic matters. All Biocide traces are to be removed through flushing with RO permeate water before using the system.

ONLINE CLEANING PROCESS (Non-Potable Water)

We recommend a 5 - 10 PPM of inline continuous dosage of WTROB900 depending on the Biological contamination.