

**RAKIRO BIOTECH SYSTEMS PVT LTD**

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**Doc No :** TDSWTROC1800**Date :** 01-04-2024**Type :** UDAAQ**Product Code :** WTROC1800**PRODUCT DATA SHEET**> **INFORMATION**

Product Code: WTROC1800

Product Name: RO Membrane Alkaline Cleaner

Application: RO Treatment

> **DESCRIPTION**

WTROC1800 is a highly effective Alkaline cleaning chemical for RO membranes. It is useful in removing deposits including colloids and also organic biofoulants. WTROC1800 is a combination of Alkaline cleaner and a novel surfactant. WTROC1800 is formulated for rapid cleaning and complete protection of the membrane material. When used regularly RO membranes are kept clean and preserved from fouling & scaling. WTROC1800 can be used in conjunction with WTROC1600 to remove inorganic scales including carbonate, bicarbonate, sulphate, & silicate to improve plant performance and enhance membrane life. WTROC1800 is very effective and suitable for potable water systems.

> **SALIENT FEATURES**

Food Grade RO Water Treatment

NSF Certified for Drinking Water RO Treatment

Environment-friendly and Non-Toxic RO Treatment

Economical and Ready to use in 5/20 KG Pack

High Chemical Stability with Enhanced Inhibition

Easy to handle with Rapid Action for Instant solution

Complete RO Plant Protection to Enhance life

> **CERTIFICATIONS**

NSF - Food Grade Certified / Drinking Water Treatment Chemical for RO System

NSF - 60 Certification

> **ANALYTICAL DATA**

Appearance : COLOURLESS TO PALE YELLOW COLOUR LIQUID

pH : 9.00 - 13.00

Density : 1.00 - 1.20

> **HANDLING INSTRUCTIONS**

The use of protective Clothing, facemask, safety goggles, shoes and gloves are mandatory. 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.

> **RECOMMENDED DOSAGE**

WT-ROC1800 dosages depend on the severity of the membrane fouling and specific system parameter, Kindly refer RO Membrane manufacturer literature for specific product application. WT-ROC1800 is suitable for cleaning most RO membranes systems.

1. WT-ROC1800 is recommended to be used by dilution of 5 % to 8 % solution in a general cleaning process & maximum 20% solution for badly fouled system.

2. During cleaning, the flow rate should not exceed design limit. Also membrane cleaning should be carried out at low pressure < 60 psi.

3. Allow the membrane to soak in cleaning solution for minimum 60 minutes between recirculation. This procedure is to be repeated throughout cleaning process regularly.

4. While cleaning a multi stage plant, clean each stage individually. Flush pipe work, membrane and cleaning tank thoroughly with chlorine free water between each cleaning and reflush the plant to normal operation.

5. Generally most of the cleaners temporarily affect the membrane support structure and it takes routine operation of 5-24 hrs to stabilize the parameters.