



RAKIRO BIOTECH SYSTEMS PVT LTD

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Doc No : TDSWTRD310
Date : 01-11-2025
Type : UDAAQ
Product Code : WTRD310

PRODUCT DATA SHEET

> **INFORMATION**

Product Code: WTRD310
Product Name: RO Antiscalant

Application: RO Treatment

> **DESCRIPTION**

The WTRD310 is a specialized reverse osmosis (RO) antiscalant and antifoulant designed specifically for use in reverse osmosis systems. Its formulation includes advanced polymers and phosphonates that help prevent scale formation and protect the system from damage. This product is highly effective in controlling deposits of salts such as calcium carbonate, calcium sulfate, and barium sulfate. It also disperses both soluble and insoluble forms of iron and silica, preventing these substances from accumulating on the membrane surface. By reducing chemical fouling, WTRD310 helps to extend the operational life of the RO membranes. It is especially suitable for systems treating water with high total dissolved solids (TDS), high hardness, and moderate silica concentrations.

> **SALIENT FEATURES**

Food Grade RO Water Treatment	High Chemical Stability with Enhanced Inhibition
NSF Certified for Drinking Water RO Treatment	Easy to handle with Rapid Action for Instant solution
Environment-friendly and Non-Toxic RO Treatment	Complete RO Plant Protection to Enhance life
Economical and Ready to use in 5/20 KG Pack	

> **CERTIFICATIONS**

NSF - Food Grade Certified / Drinking Water Treatment Chemical for RO System
NSF - 60 Certification

> **ANALYTICAL DATA**

Appearance : YELLOW TO BROWN COLOUR LIQUID
pH : 2.00 - 3.00
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**

An dosage of 3 - 5 PPM is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter, Kindly refer RO Membrane manufacturer literature for specific product application. Maximum Dosage Limit for Drinking Water is 20 PPM