



RAKIRO BIOTECH SYSTEMS PVT LTD

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Doc No : TDSWTRD300
Date : 01-11-2025
Type : UDAAQ
Product Code : WTRD300

PRODUCT DATA SHEET

> **INFORMATION**

Product Code: WTRD300
Product Name: RO Antiscalant

Application: RO Treatment

> **DESCRIPTION**

The WTRD300 is an performance based RO antiscalant and antifoulant control agent designed for reverse osmosis systems. It incorporates the latest polymers and phosphonates in its formulation to prevent deposits and protect the system. WTRD300 is highly effective against salts such as calcium carbonate, calcium sulfate, and barium sulfate. Additionally, it disperses both soluble and insoluble iron and silica, preventing their deposition on the membrane. This dispersing action helps keep the system free from chemical fouling, thereby extending the membrane's lifespan. WTRD300 is particularly suitable for Industrial water systems and performs well in feed water with Moderate TDS and Moderate Silica levels.

> **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 : 3.00 - 4.00
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