

**RAKIRO BIOTECH SYSTEMS PVT LTD**

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Doc No : TDSWTRD320**Date :** 01-04-2024**Type :** UDAAQ**Product Code :** WTRD320**PRODUCT DATA SHEET**> **INFORMATION**

Product Code: WTRD320

Product Name: RO Antiscalant

Application: RO Treatment

> **DESCRIPTION**

WTRD320 is a low pH, silica specific Antiscalant for control scale precipitates and to reduce particulate fouling within membrane separation. This specific product ensures reduced operating and capital cost of RO. It is suitable for brackish water and tap water containing higher silica compounds including magnesium silicate and aluminium silicate containing feed water. Our WTRD320 is an aqueous solution of synergistic compounds like carboxylate and polymers, which are adsorbed on the growth sites of the scalents during crystallization and causes crystal to get distorted. It also has a great threshold effect to keep scales into solution and makes the solution highly over saturated. It also has superior dispersion ability by repelling two negative charged particles that makes the agglomeration of particles difficult. It is hydrolytically and halogen compound stability i.e. chlorine, bromine and peracetic acid under normal condition. WTRD320 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 : YELLOW TO BROWN COLOUR LIQUID

pH : 1.00 - 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