

**RAKIRO BIOTECH SYSTEMS PVT LTD**

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**Doc No :** TDSWTRD320  
**Date :** 01-04-2024  
**Type :** UDAAQ  
**Product Code :** WTRD320

**PRODUCT DATA SHEET****1 INFORMATION**

Product Code: WTRD320  
Product Name: Ro Antiscalant

Application: RO Treatment

**2 DESCRIPTION**

WTRD320 is a low pH, silica specific Antiscalent 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.

**3 SALIENT FEATURES**

Effectively controls scaling of High TDS and alkalinity level.  
Effectively retarding polymerisation and precipitation of high silica in concentrate stream.  
Also sequestrates aluminium iron oxides / hydroxide scaling.  
Controls sulphates and fluoride scaling.

**4 ANALYTICAL DATA**

Appearance	:	Yellow To Brown Color Liquid
pH	:	1.0 To 3.0
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**

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