



RO TREAT 10000™ Antiscalant/Dispersant – Liquid Product Datasheet

PERFORMANCE:

RO TREAT 10000™

Antiscalant offers a variety of critical performance and application benefits:

Powerful inhibitor against a variety of carbonate and sulfate scale:

| | |
|-------------------|---------------------------|
| CaCO ₃ | CCPP ≤ 900 (LSI ≤ 2.4) |
| CaSO ₄ | 2.8 x Ksp |
| BaSO ₄ | 80 x Ksp |
| SrSO ₄ | 20 x Ksp |
| CaF ₂ | 1000 x Ksp |

- Dispersant qualities reduce colloidal and silt fouling of membrane surfaces.
- Excellent dispersant for alum particles.
- Compatible with all leading membranes.
- Crystal modification distorts inorganic salt crystal growth and system fouling.
- Achieving threshold scale inhibition at low dose rate offer excellent economical running cost.

CONTACT US:

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PRODUCT DESCRIPTION:

RO TREAT 10000™ is a blended formulation, which is a highly effective threshold scale inhibitor. Low application rates of **RO TREAT 10000™** are required to keep larger amount of scalant in solution. **RO TREAT 10000™** is primarily used to control scale precipitates and reduce inorganic and colloidal fouling on spiral and hollow thin fiber membrane.

RO TREAT 10000™ has been approved for use in system producing drinking water by the UK Drinking Water inspectorate and by NSF international under NSF/ANSI Standard 60.

APPLICATION:

Optimum **RO TREAT 10000™** performance is achieved when the chemical is injected downstream of multimedia filters and upstream of cartridge filters. In system using sulfuric acid (H₂SO₄), the best results are obtained when the acid is injected far enough upstream to ensure it is adequately mixed prior to the **RO TREAT 10000™** injection point.

DOSING GUIDELINES:

Typical dosage ranges are between 2 to 5 ppm. Dosage of **RO TREAT 10000™** should be as directed by the company representative. Like any injected chemical, over or under dosing may cause unnecessary membrane system fouling. Please contact RCB customer service for advice.

DILUTION:

This product is formulated to be injected neat. However, if a dilution is required, use demineralized or RO permeate water. If neither of these is available, softened water may be substituted. The dilution for **RO TREAT 10000™** should not result in a solution strength of less than 10%. This guideline will protect the effectiveness of the internal bacteriostat which inhibits bacterial growth in the drum and feed tank.

PACKAGING AND STORAGE:

Standard regional pack sizes are listed below and custom packaging can be provided worldwide. Information on drum less or bulk tanker delivery is available on request.

| SPECIFICATIONS | |
|------------------------|-------------------------------|
| Appearance | Light Amber Liquid |
| pH (as supplied) | 3.5 – 4.5 |
| Specific Gravity @20°C | 1.15 - 1.20 g/cm ³ |

| | |
|-------------------|----------|
| Packaging Formats | Pakistan |
| Jerrycan | 30 Kg |
| Drum | 210 Kg |

Other packing is available on request.

AVAILABILITY:

Lahore, Karachi, Faisalabad.