



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-33-3337-025

Antiscalant Antifoulant Corrosion Inhibitor 704

Antiscalant / Antifoulant - Corrosion Inhibitor 704 is a highly effective liquid an-tiscalant/antifoulant developed to control scale precipitates and reduce particulate fouling within membrane separation systems. This highly effective liquid antiscalant/antifoulant is formulated specifically to be used with RXSOL Coagulant. It is imperative that the coagulants used are compatible with the antiscalant/antifoulant being injected as incompatible chemicals may cause membrane fouling.

Effective Antiscaling action against

Calcium Carbonate:	CaCO ₃
Calcium Sulfate:	CaSO ₄
Barium Sulfate:	BaSO ₄
Strontium Sulfate:	SrSO ₄
Calcium Fluoride:	CaF ₂
Sodium Fluoride	NaF
Iron	Fe

Dose

For maximum effectiveness, **Antiscalant / Antifoulant Corrosion Inhibitor 704** should be added prior to the static mixer or cartridge filter housing. For potable applications the maximum dosage is 10 mg/L. Maximum dilution is 10% with RO permeate or DI water.

Typical dosage range is between 1 and 6 mg/L. Maximum dilution is temperature related as shown:

Temperature	Maximum Dilution %
<30°C	10
30 - 35°C	25
>35°C	50

Important Note: Over and under-dosing may cause membrane fouling so please contact RX Marine International representative to define the optimal feed point and dosage rate. Maximum Dilutions.

Technical Specifications

Form	Liquid
Colour	Clear
Odour	Slight
pH	3.0 - 6.0
Relative density	1.20
Water solubility	Miscible in water

Advantages

- Excellent results as a replacement for softener filters
- Compatible with RXSOL coagulant
- Highly effective over a wide-range of waters - for calcium-based and sulfate-based scales, notably, barium sulfate.
- Compatible with all of the leading RO membranes
- Maintains cleaner membrane surfaces by inhibition and dispersing particulate foulants
- Effective over a wide pH range
- May be fed neat or diluted
- Compatible with feedwaters that contain aluminum and iron oxides

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