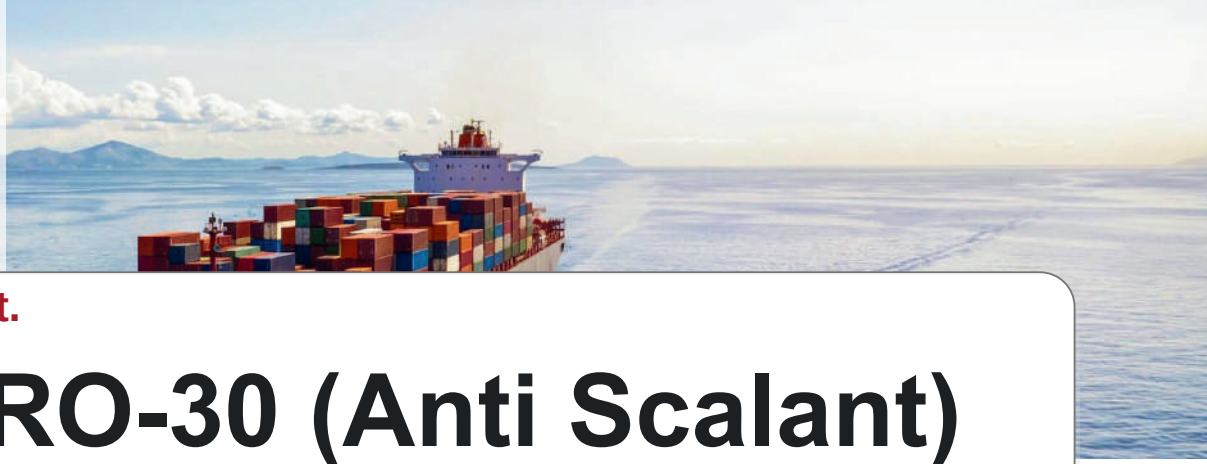


Water Treatment.

SHER RO-30 (Anti Scalant)

Scale & Fouling Control Treatment for Improved Membrane Performance and System Recovery.

DESCRIPTION & APPLICATIONS:

RO-30 is a concentrated membrane antiscalant formulated to control scale formation and particulate fouling in reverse osmosis membrane systems. The specialized formulation combines scale inhibition and foulant dispersion technologies to prevent the precipitation of sparingly soluble salts while keeping suspended contaminants dispersed throughout the system.

By controlling scale deposition and minimizing inorganic fouling, RO-30 helps maintain membrane productivity, improve permeate flow, reduce cleaning frequency, and support higher operating recoveries. Regular use protects membrane surfaces from scale accumulation, improves operational reliability, extends membrane service life, and reduces the overall cost of water production.

FEATURES & BENEFITS:

- Controls calcium carbonate, calcium sulfate, barium sulfate and strontium sulfate scaling
- Inhibits precipitation of sparingly soluble salts
- Disperses suspended solids and inorganic foulants
- Helps prevent membrane surface fouling and deposit formation
- Supports higher system recovery rates
- Maintains membrane permeability and permeate flow
- Reduces membrane cleaning frequency
- Improves membrane operating efficiency
- Effective over a wide range of feedwater conditions

DOSAGE & APPLICATION:

RO-30 should be continuously dosed into the feedwater stream upstream of cartridge filters or as recommended by the membrane manufacturer.

SHERAN CHEMICAL (UAE) |SHERAN HELLAS CHEMICAL (Greece)

+971 9 501 3271 | sales@sheran.net, Athens@sheran.net | www.sheran.net

Manufacturing & Sales: Fujairah, UAE | Athens, Greece

Marine and industrial chemicals supplier worldwide.

CERTIFICATIONS & MARINE SUPPLY NETWORKS

ProcureShip SHIPSERV ISO 9001:2015 COMPANY

PS ID: 14754 TN-315946

Recommended Dosage:

Feed Water Condition	Typical Dosage
Low Scaling Potential	2 - 3 ppm
Moderate Scaling Potential	3 - 5 ppm
High Scaling Potential	5 - 8 ppm
Severe Scaling Conditions	8 - 10 ppm

Application Guidelines:

Parameter	Recommended Practice
Dosing Method	Continuous or Intermittent
Injection Point	Feed Water Line
Contact Time	Minimum 2 - 6 Hours
System Status	Offline or As Per OEM Guidelines
Monitoring	Regular Microbiological Testing

RECOMMENDED CONTROL LIMITS:

Operating Parameter	Recommended Control
Antiscalant Residual	Maintain Continuous Dosage
Recovery Rate	As per Design Criteria
Differential Pressure	Monitor Routinely
Permeate Flow	Monitor Routinely
Membrane Fouling Trend	Monitor Routinely

SHELF LIFE:

24 Months from the date of manufacture when stored under recommended conditions.

TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Clear Liquid
Colour	Light Amber
Odour	Mild
pH (Concentrate)	2.0 - 5.0
Specific Gravity @ 25°C	1.10 - 1.20
Solubility	Completely Miscible in Water
Freezing Point	Below 0°C
Application	RO / NF / UF Membrane Systems
Form	Liquid

CONTROL & MONITORING:

Monitor feedwater quality, recovery rate, permeate conductivity, differential pressure, and permeate flow regularly. Proper antiscalant dosage and routine system monitoring help maximize membrane life, maintain system efficiency, reduce unscheduled shutdowns, and minimize membrane cleaning requirements.

COMPATABILITY:

- Suitable for RO, NF and UF membrane systems
- Effective against carbonate, sulfate and metal oxide scaling
- Compatible with thin-film composite membrane elements

STORAGE & HANDLING:

Store in tightly sealed original containers in a cool, dry, and well-ventilated area away from direct sunlight.

STANDARD PACKAGING:

- 25 Kg HDPE Drum
- 200 Kg HDPE Drum

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