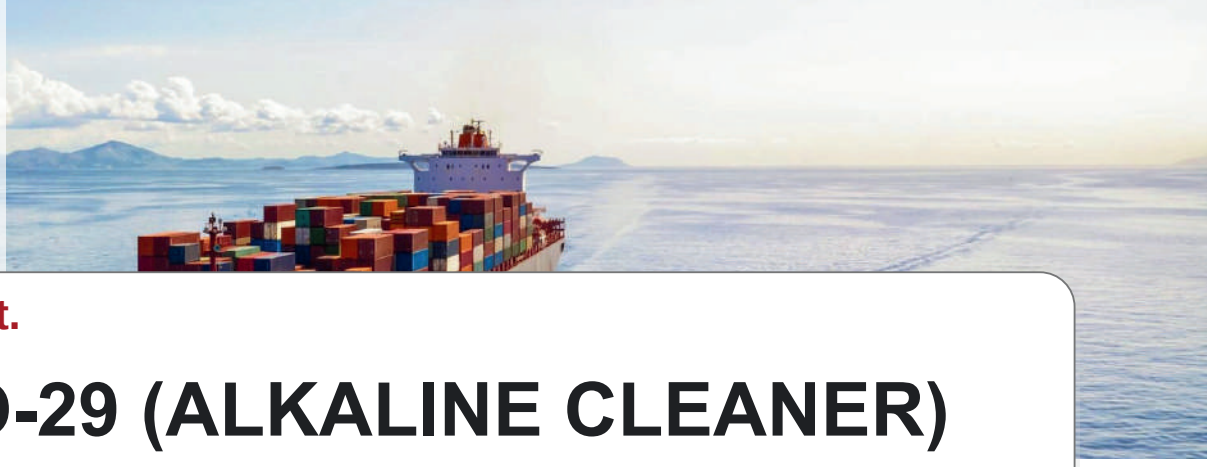


Water Treatment.

SHER RO-29 (ALKALINE CLEANER)

Membrane Cleaning Treatment for Organic Fouling Removal, Biofilm Control & System Performance Recovery.

DESCRIPTION & APPLICATIONS:

A specialized membrane cleaning formulation developed for the removal of organic fouling, biological deposits, colloidal contaminants, oils, grease, and process-related organic matter from reverse osmosis membrane systems. Utilizing enhanced fouling dispersion and deposit suspension technology, the product effectively lifts and disperses contaminants from membrane surfaces while helping prevent their redeposition during the cleaning cycle.

Its powerful cleaning action penetrates biofilms, organic accumulations, and process foulants that restrict permeate flow and increase operating pressure. By improving foulant removal and suspension, RO-29 restores membrane productivity, improves permeate quality, reduces differential pressure, and supports reliable long-term operation of RO, NF, and UF membrane systems. Regular use helps extend membrane life, reduce cleaning frequency, and lower overall operating costs.

FEATURES & BENEFITS:

- Effectively removes organic fouling, biofilms, and biological deposits
- Disperses and suspends loosened foulants to prevent membrane re-fouling
- Removes oils, grease, proteins, and organic contaminants
- Restores permeate flow and membrane productivity
- Reduces differential pressure across membrane elements
- Improves foulant removal and cleaning efficiency
- Helps maintain optimum membrane salt rejection
- Effective against colloidal and microbiological fouling
- Low-foaming formulation for efficient recirculation cleaning

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

DOSAGE & APPLICATION:

Cleaning Solution Preperation

Parameter	Recommended Range
Solution Strength	2 - 5% by Volume
Cleaning pH	10.5 - 12.0
Cleaning Temperature	25 - 40°C
Circulation Time	4 - 24 Hours
Cleaning Method	Offline Recirculation

For heavily fouled systems, higher concentrations within the recommended range may be used. Cleaning solution strength and circulation time should be adjusted according to the degree of fouling and membrane manufacturer guidelines.

Recommended Cleaning:

Cleaning is recommended when any of the following conditions occur:

Operating Parameter	Cleaning Trigger
Normalized Permeate Flow	Decrease >10%
Differential Pressure	Increase >10%
Salt Rejection	Reduction >10%
Visible Organic Fouling	Present
Biofilm Formation	Present

CONTROL & MONITORING:

Monitor permeate flow, feed pressure, differential pressure, and salt rejection regularly to determine cleaning requirements. Effective cleaning should result in improved flow rates, reduced pressure drop, and restored membrane performance. Following cleaning, thoroughly flush the system with clean water before returning it to service.

TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Clear Liquid
Colour	Clear to Light Yellow
Odour	Mild
pH (Concentrate)	11.0 - 13.0
Specific Gravity @ 25°C	1.05 - 1.20
Solubility	Completely Miscible in Water
Foaming Characteristics	Low Foaming
Application	RO / NF / UF Membrane Cleaning
Form	Liquid

COMPATABILITY:

- Suitable for RO, NF, and UF membrane systems
- Effective against organic, biological, and colloidal fouling

SHELF LIFE:

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

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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