

Water Treatment.

RO-35 (Biocide)

Non-Oxidizing Biocide for Microbiological Control, Biofilm Prevention and Membrane Protection

DESCRIPTION & APPLICATIONS:

RO-35 is a membrane biocide specifically formulated to control microbiological growth in reverse osmosis, nanofiltration, and ultrafiltration systems. The product effectively eliminates bacteria, fungi, algae, and other microorganisms that contribute to biofouling, slime formation, and biological deposits within membrane systems.

its broad-spectrum antimicrobial action penetrates biofilms and microbial colonies, helping prevent membrane blockage, increased differential pressure, reduced permeate flow, and deterioration of system performance. Regular application of RO-35 supports membrane cleanliness, improves operational reliability, reduces cleaning frequency, and extends membrane service life.

FEATURES & BENEFITS:

- Controls bacteria, fungi, algae, and other microorganisms
- Helps prevent biofilm formation on membrane surfaces
- Penetrates and destroys existing microbial deposits
- Reduces biological fouling and slime formation
- Maintains permeate flow and membrane productivity
- Helps reduce differential pressure across membrane elements
- Improves system hygiene and operational reliability
- Reduces membrane cleaning frequency
- Supports longer membrane service life

DOSAGE & APPLICATION:

RO-35 should be dosed in accordance with membrane manufacturer recommendations and plant operating conditions.

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

PS ID: 14754 TN-315946

Recommended Dosage:

Application	Typical Dosage
Preventive Treatment	50 - 100 ppm
Moderate Biological Activity	100 - 200 ppm
Heavy Biofouling Conditions	200 - 500 ppm
Shock Treatment	As determined by system requirements

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

RECOMMENDED CONTROLLIMITS:

Operating Parameter	Recommended Control
Total Bacterial Count	Minimize
Biofilm Formation	None Visible
Differential Pressure	Within Design Limit
Permeate Flow	Stable
Membrane Performance	Monitor Routinely

SHELF LIFE:

24Monthsfrom the date of manufacture when stored under recommended conditions.

TYPICAL PROPERTIES:

Property	Typical Value
Appearance	Clear Liquid
Colour	Colourless to Pale Yellow
Odour	Mild Characteristic
pH (Concentrate)	3.0 - 7.0
Specific Gravity @ 25°C	1.00 - 1.10
Solubility	Completely Miscible in Water
Foaming Characteristics	Low Foaming
Application	RO / NF / UF Systems
Form	Liquid

CONTROL & MONITORING:

Regular monitoring of bacterial activity, differential pressure, permeate flow, and membrane performance is recommended. Routine microbiological control helps prevent biofouling, maintain system efficiency, and reduce the need for intensive membrane cleaning procedures.

COMPATIBILITY:

- Suitable for RO, NF and UF membrane systems
- Effective against bacteria, fungi, algae, and biofilm-forming microorganisms
- Compatible with standard membrane pretreatment programs

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

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
PS ID: 14754
SHIPSERV
TN-315946
ISO 9001:2015 CERTIFIED COMPANY