



Pelican

RO ANTISCALANT (PELICAN – 319)

PELICAN-319 is a highly effective antiscalant, specially formulated for feed-stream of water treatment systems using membrane technology. It contains a combination of well-proven agents, which prevent crystallization of inorganic solutes while protecting membranes from deposition of colloidal particles. Use of this product is recommended for reducing the operating and capital costs of reverse osmosis (RO), nanofiltration (NF) and ultrafiltration (UF) systems.

Advantages to using PELICAN-319

- Controls colloidal calcium phosphate in waste waters
- Effective in retarding polymerization and precipitation of reactive and non-reactive silica
- Effectively controls inorganic scales over a large concentration range
- Compatible with major manufacturer's RO, NF, and UF membranes
- May be used diluted or undiluted
- Effective in feedwaters with pH range 5.0 – 10.0
- Efficacious for controlling aluminum, iron, heavy metals and silica
- Protects membrane surface from deposition of colloidal foulants

Specification: Liquid

Appearance:	pH:	Specific Gravity:
Colorless / White Slightly Viscous	3.5 to 4.5	1.17 to 1.23



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Application:

PELICAN-319 most ideally should be injected into the feed-stream prior to the static mixer and the cartridge filter. Effective pH range is 3 –12. If frozen, may be thawed and mixed before use. Stability is excellent, but best used within 12 months.

Dosing Recommendations

In the useful dosage range of 2 –30 ppm, control of a wide range of inorganic scales at up to 100 x saturation values is possible. By monitoring the concentrate stream and trend charts, optimal dosage can be achieved for the control of scales including that from calcium carbonate, calcium sulfate, barium sulfate, strontium sulfate, iron hydroxide, aluminum hydroxide, and silica.

Storage

This product should be stored in original containers in cool and dry place, away from sources of heat, flame and direct sunlight.