hydrovida

PRODUCT DATA SHEET · RO / NF

RO / NF MEMBRANE CLEANER

Synetec L1200
High pH Cleaner.

Liquid alkaline RO membrane cleaner for silt, clay, biofilm and organic fouling

2% w/w

TYPICAL USE CONCENTRATION

ADJUST TO FOULING SEVERITY

PHOSPHATE-FREE

APPEARANCE	SOLUBILITY IN WATER	PH (2% SOLUTION)	SPECIFIC GRAVITY	ODOR
Clear liquid	Completely miscible	12.0 to 12.2	1.07 nominal	Characteristic

PERFORMANCE

Performance Advantages

- Surfactant system penetrates and lifts biofilm and organic foulants from membranes and feed spacers
- Polymer dispersant breaks up silt, clay and colloids and holds them in suspension
- Chelant releases calcium-bridged organic and biological foulant layers
- Delivers pH 12 at use dilution, the condition membrane makers recommend for biofouling
- Free of EDTA, phosphate, silicate, cationic surfactants and silicone antifoams
- Low-foaming; formulated for polyamide RO and NF membranes and paired with Synetec L300

SUPPLY

Available Packaging Options

5-gallon pails	55-gallon plastic drums
275-gallon IBC tote	Mini-bulk

USAGE

Product Instructions

Synetec L1200 is typically used at 2% w/w. Prepare the cleaning solution with chlorine-free RO permeate or deionized water, always adding product to water. Clean at 25–35 °C and not below 20 °C, within the membrane manufacturer's high-pH limits. Not for use on cellulose acetate membranes.

Recirculate at the manufacturer's recommended flow; heavily fouled elements may benefit from a soak. If pH drops more than 0.5 units, add product. Flush with permeate until brine pH falls below 8.5, then follow with Synetec L300 where scale or metals are present.

HANDLING

Storage

Store in original closed containers in a cool, dry place out of direct sunlight. Protect from freezing; if haze or separation occurs, warm and mix before use. Keep away from acids, oxidizers and aluminum or galvanized metals. Refer to the Safety Data Sheet for precautions.

ENGINEERED. MEASURED. VERIFIED.

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REQUEST A CLEANING RECOMMENDATION

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