RO / NF MEMBRANE CLEANER

Synetec P3 Acid Cleaner.

Activated acid powder blend for metal oxides and carbonate scale

1–2% w/w

TYPICAL USE CONCENTRATION

HEAT TO ~35°C · ADJUST TO FOULING

PHOSPHATE-FREE

APPEARANCE	SOLUBILITY IN WATER	PH (2% W/W)	ODOR
White granular powder	Completely miscible	2.0 to 3.5	Sweet

PERFORMANCE

Performance Advantages

- Contains strong reducing agents for quick removal of metal oxide fouling such as iron, manganese and aluminum
- Highly buffered to resist pH changes
- Excels at removing calcium carbonate scale
- Strong chelating properties help dissolve stubborn sulfate and other hardness-based scales
- Eco-friendly, phosphate-free formulation
- Formulated with mild acids for safe, user-friendly application
- Compatible with polyamide, cellulose acetate and polypiperazine membranes

SUPPLY

Available Packaging Options

50-pound pails	400-pound drums
Mini-bulk	

USAGE

Product Instructions

Fill the Clean-In-Place tank to the desired volume using soft water or RO permeate. For best results, Synetec P3 should be used at a 1–2% w/w concentration in water heated to ~35°C. Dissolve the powder cleaner thoroughly in water before adding it to the tank, and recirculate the tank solution to make sure the cleaner is completely dissolved before starting the cleaning.

Circulate the cleaner through the membranes for two hours, or for a time established by a membrane autopsy. Severely fouled membranes may cause the cleaning solution to turn turbid. If the solution becomes murky, flush out 25% of the solution, batch more cleaner with soft water or RO permeate, and continue cleaning. If the cleaner becomes too turbid, flush out the tank and re-batch the cleaner.

HANDLING

Storage

Store in a dry, cool and well-ventilated place. Keep away from strong oxidizers and bases. For more information on precautions and safety measures, refer to the Safety Data Sheet for this product.

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REQUEST A CLEANING RECOMMENDATION

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