

BETAGARD 6510

Low pH Membrane Cleaner

Description

Membrane surface is the major cause of Reverse Osmosis system failure. Membrane fouling is a common phenomenon involving the deposition of different but related types of foulants on membrane surface. Betagard 6510 is a low pH membrane cleaner specifically designed for cleaning Reverse Osmosis system. It effectively cleans inorganic salts such as CaCO₃, CaSO₄, BaSO₄, and metal oxides. Betagard 6510 removes calcium carbonate scale and metal hydroxide colloids without damaging sensitive polyamide composite membrane elements. Betagard 6510 will restore the cleanliness of membrane surface and therefore prolong membrane self-life

Properties

Appearance	Clear liquid with slightly odor
Specific Gravity	1.06 – 1.16
pH	<3

Dosage and Feeding

For the removal of Iron and metal hydroxide fouling and calcium carbonate scale. Betagard 6510 should be mixed in a cleaning tank equipped with a mechanical mixer, low pressure recirculation pump, and cartridge or bag filters. This cleaner works best when applied at a temperature of 40 °C – 45 °C, a pH of 2.5 to 3.5, and at a flow rate of 8 – 10 gpm per 4" pressure tube or 30 – 40 gpm per 8" pressure tube at a pressure of between 20 – 50 psi. Dilute 1 to 10 with RO permeate water or DI water.

Check and adjust the pH if necessary. Add Ammonium Hydroxide to increase the pH and add more Betagard 6510 to decrease the pH.

Recirculate solution for 1 hour, checking pH regularly. Shut down pump and soak for 1 hour. After soak, recirculate for an additional 20 minutes and then rinse.

Handling and storage

Betagard 6510 is a fuming liquid and special care should be taken on handling the concentrated form, please handle with care. Avoid contact with eye, skin or clothing. In case of accidental splash – flush with plenty of water. In case of eye contact, obtain medical attention as a safety measure.

Packaging

In plastic container with net weight 25Kg.