



# DYLAN WELSH PROJECTS PVT LTD

## PROVIDING TECHNOLOGY & PURITY

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# DWPPL-501

## Reverse Osmosis Membrane Anti Scalant

### DESCRIPTION AND USE

DWPPL-501 is one of the most advanced Antiscalants used by reverse osmosis membrane system designers and end users throughout the world. DWPPL-501 is designed to inhibit inorganic scale formation in membrane separation processes. DWPPL-501 controls Calcium Carbonate, Calcium Sulphate, Barium and Strontium sulphate scales in waters with high fouling potential. DWPPL-501 works extremely well in waters with high calcium levels because of its excellent calcium compatibility. DWPPL-501 is a preferred product where high alkalinity and pH levels are encountered. Calcium Sulphate is one of the most dangerous scaling species in the membrane separation process and DWPPL-501 is a powerful Calcium Sulphate scale inhibitor.

DWPPL-501 is approved by NSF for its use in drinking water membrane separation process. DWPPL-501 is also approved by all the major membrane manufacturers for its compatibility with their membranes.

### FUNCTIONALITIES

**High Threshold Effect:** The prevention of precipitation of typical scalents at sub stoichiometric inhibitor concentration, at levels of few mg/lit. **Excellent Dispersion:** The ability to disperse suspended solid particles and to modify crystal growth. **Good Sequestration:** The ability to complex and control metal ions at stoichiometric concentration.

### CHEMICAL FEEDING AND CONTROL

DWPPL-501 is normally fed continuously prior to the final cartridge filter. It should be injected by chemical dosing pump from a dilution tank or direct from the drum into the feed water line. The amount of DWPPL-501 required to inhibit scale formation depends on the quality of feed water and size of the membrane system. The optimum dosage rate and specific control ranges for your membrane system will be specified by the technical representative.

### TYPICAL PROPERTIES

Appearance: Colorless to Pale Yellow Liquid Odor: Characteristic Stability: Excellent Solubility (Water): Highly Soluble pH: 6.0 – 8.0 Specific Gravity : 1.12 – 1.16

(All values approximate)

### SAFETY & HANDLING

Store in cool dry place. In accordance with good safety practice, handle with care and avoid contact with eyes and prolonged or repeated contact with skin. For more information Material Safety Data Sheet is available on request.

### PACKAGING:

DWPPL-501 is available in 20 liters and 200 liters (nominal volume) HDPE drums.