

# Genesol 80

## Membrane Cleaner – targets biofilm

Genesol 80 is a membrane cleaner for use in reverse osmosis (RO), Nanofiltration (NF) and Ultrafiltration (UF) membrane systems. Genesol 80 targets biofilm which predominantly consists of a glycocalyx layer of extracellular polysaccharide materials secreted by bacteria under stress.

When this biofilm layer complexes with organics commonly found in membrane systems they become extremely challenging to remove. The cleaning mechanism of Genesol 80 allows it to effectively penetrate and disrupt biofilm and organic material found on the membrane surface.

### Application

Genesol 80 can be used off line as part of the normal membrane CIP procedure at a concentration of 2% v/v. It can also be applied continuously on line with a dose rate of 10-40mg/l depending on the severity of the biofouling. Genesol 80 can also be dosed on an intermittent basis every 4-8 hours at 10-80mg/l to inhibit biofilm formation and maintain a clean membrane surface.

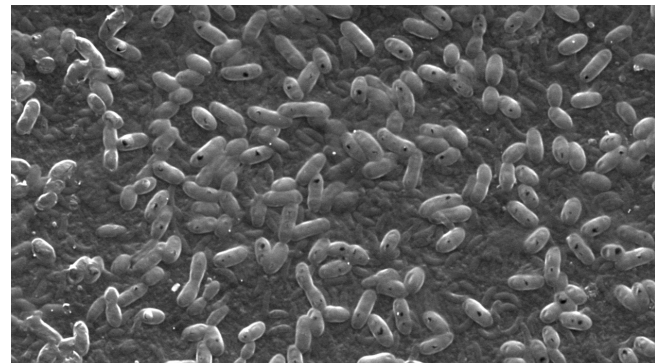
### Health and Safety

Genesol 80 may be mildly corrosive to carbon steel so recommended materials for storage tanks etc. include stainless steel, fibre glass, polyethylene and polypropylene. Observe all safety precautions shown in the material safety data sheet, available on request.

### Packaging

Genesol 80 is available in 25kg kegs & 250kg drums.

Nominal shelf life of 1 year under normal storage conditions, protect from frost and high temperatures.



Inhibits Biofilm Formation



Disrupts biofilm to maintain clean membranes

- ✓ Suitable for use in RO and NF membranes
- ✓ Effectively removes existing biofilm
- ✓ Inhibits biofilm development on membrane surface
- ✓ Compatible with polyamide membranes

### Typical properties

Appearance:	pale liquid
pH as supplied:	12.0 – 13.0
Specific gravity:	1.1 – 1.3
Freezing point:	-3°C

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