

## Genesol 30 Membrane Biocide

Genesol 30 is a fast acting, broad-spectrum biocide used for cleaning Reverse Osmosis and Nano-Filtration membranes. It can be used both on and off-line to eliminate microbiological fouling. When used in potable water applications, Genesol 30 should be used 'off-line'.

Genesol 30 is also effective in removing biofilm from pumps, tanks and pipe-work. Best results are obtained when Genesol 30 is used at a pH 5.5 – 7.0. Residual Genesol 30 can be deactivated to harmless byproducts by using sodium bisulphite. Genesol 30 is readily biodegradable in the environment; the degradation rate is enhanced at increasing pH and temperature.

### Application

When used 'off-line' as a membrane cleaner, Genesol 30 should be dosed at 40 - 80mg/l for periods up to 60 minutes. Following use, the membranes should be flushed and cleaned using an alkaline detergent such as Genesol 40 or Genesol 703.

When used 'on-line' in non-potable applications Genesol 30 should be dosed at 100 - 200mg/l for 30 minutes.

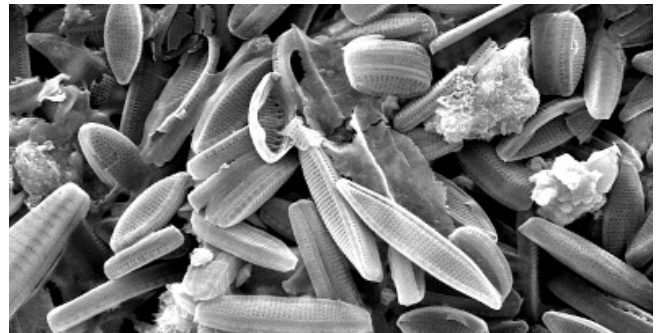
Pre-diluting Genesol 30 prior to use is not recommended as this will cause rapid degradation of the solution and loss of efficacy.

### Health and Safety

Genesol 30 is based on an organo-bromine compound. It is corrosive to carbon steel and certain other alloys so all pumps, pipe-work and tanks should be made from acid resistant materials. Observe all safety precautions shown in the material safety data sheet, available on request.

### Packaging

Available in 25 kg kegs, 250 kg drums and 1,200 kg IBCs. The shelf life of Genesol 30 is 12 months when stored in a cool place. At ambient temperatures above 20°C the shelf life of Genesol 30 may be significantly reduced.



Eliminates Microorganisms



Controls Biofouling

- ✓ Suitable for use in Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Effective against most micro-organisms
- ✓ Fast acting – short contact time needed
- ✓ Compatible with all polyamide membranes
- ✓ Easily deactivated to harmless by-products
- ✓ Can be used to clean pre-treatment systems

### Typical properties

|                   |                   |
|-------------------|-------------------|
| Appearance:       | pale amber liquid |
| pH as supplied:   | 1.5 – 5.0         |
| Specific gravity: | 1.20 – 1.30       |
| Freezing point:   | - 50°C            |

The information provided in this data sheet is believed to be true and accurate.

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