

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.

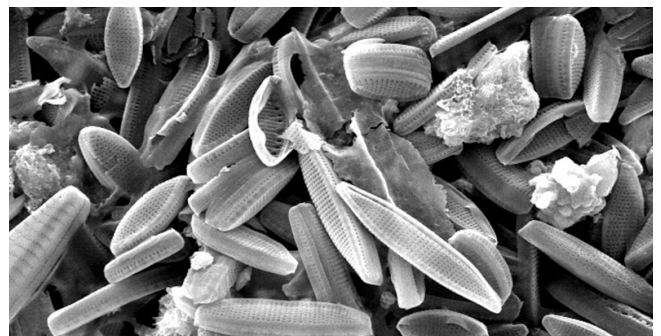
Pre-diluting Genesol 30 prior to use is not recommended as this will cause rapid degradation of the solution and loss of efficacy.

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. Genesys International Ltd. accepts no product liability as the use of its products are outside the company's control.