

# Genesol 30

## Membrane Biocide

**G E N E S Y S**  
**I N T E R N A T I O N A L**

www.genesysro.com

### The Complete Solution

Eliminates Micro-organisms



Cleans Biological Fouling



- ✓ 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 orange liquid  
pH as supplied: 3.5 – 4.5  
Specific gravity: 1.24 - 1.26  
Freezing point: < - 20°C

#### Description

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 by-products by using sodium bisulphite. Genesol 30 is readily biodegraded 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 300 mg/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 400mg/l for 30 minutes.

Genesol 30 can be diluted and is fully miscible with water in all proportions.

#### Health and Safety

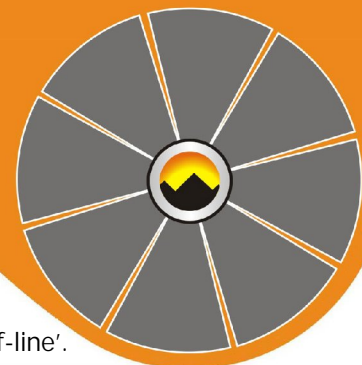
Genesol 30 is based on an organo-bromine compound. It is corrosive to carbon steel and certain other alloys so all pumps, pipe-work and tanks should be made from acid resistant materials. A material safety data sheet is available on request.

#### Classification

CHIP: Harmful | UN: Corrosive

#### Packaging

Available in 25 Kg kegs and 250 Kg drums. 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.



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