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Genesol 32 is a broad spectrum biocide for use in cleaning Reverse Osmosis and Nano-Filtration systems. It can be used both on and off-line to eliminate microbiological fouling but when used in potable water applications, Genesol 32 should be used 'off-line'.

Genesol 32 can be used in pre-treatment systems for the prevention of biofouling in pumps, tanks and pipe-work. It is deactivated to harmless by-products by using sodium bisulphite.

### Application

When cleaning fouled membranes 'off-line', Genesol 32 should be dosed at 1,000 -1,500mg/l for 6-8 hours. Following use, the membranes should be flushed and cleaned using an alkaline detergent such as Genesol 36 or Genesol 40. When used 'on-line' Genesol 32 should be dosed at 700-1,000mg/l for 8-12 hours once every 5 to 21 days depending on the severity of the fouling.

Genesol 32 has good biostatic properties and can be used for membrane preservation and storage as per the guidelines below:

- 24-36 hours 300mg/l = 0.03%
- 36-168 hours 500mg/l = 0.05%
- 1-4 weeks 800mg/l = 0.08%
- 1-6 months 1000mg/l = 0.1%
- >6 months drain & refill every 6 months

Genesol 32 can be diluted and is fully miscible with water in all proportions.

### Health and Safety

Genesol 32 is an aqueous solution containing mixed isothiazolinones. It is corrosive to carbon steel and certain other alloys so all pumps, pipe-work and tanks should be made from acid resistant material. A material safety data sheet is available on request.

### Classification

CHIP: Corrosive | UN: Corrosive

### Packaging

Available in 25 kg kegs and 200 kg drums.

The shelf life is 12 months under normal storage conditions.

## Genesol 32

### Biocidal Cleaner/Preservative



Preservative



Controls Biofouling

- ✓ Suitable for use in Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Effective against most micro-organisms
- ✓ Long lasting
- ✓ Compatible with all polyamide membranes
- ✓ Easily deactivated to harmless by-products
- ✓ Can be used to clean pre-treatment systems
- ✓ Can be used for membrane preservation and storage

### Typical properties

Appearance: colourless/yellow liquid  
pH as supplied: 3.0 – 5.0  
Specific gravity: 1.04 - 1.09  
Freezing point: < - 1°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.