

# Genesys SW

## Sea Water Antiscalant

Genesys SW is a broad spectrum, phosphorous free antiscalant for use in sea-water Reverse Osmosis and Nano-Filtration systems. It is highly effective at preventing the formation of inorganic scale thereby reducing the frequency of membrane cleaning and replacement.

Genesys SW allows systems to be designed and operated at their optimum rate of recovery, reducing the amount of feed water used and concentrate to be discharged. Consequently significant cost savings can be made with both capital and operational costs.

### Application

Genesys SW should be dosed continuously to the feed water upstream of the cartridge filter.

Typical dosage rates are 0.8-1.5 mg/L.

The optimum dosage rate can be calculated using the Genesys Membrane Master software. Genesys SW can be diluted and is fully miscible with water in all proportions.

### Health and Safety

Genesys SW is an aqueous solution of neutralised carboxylic acid and has been registered for use in drinking water applications.

Genesys SW is compatible with carbon steel and all commonly used materials of construction.

A material safety data sheet is available on request.

### Classification

CHIP: Not Classified | UN: Non Hazardous

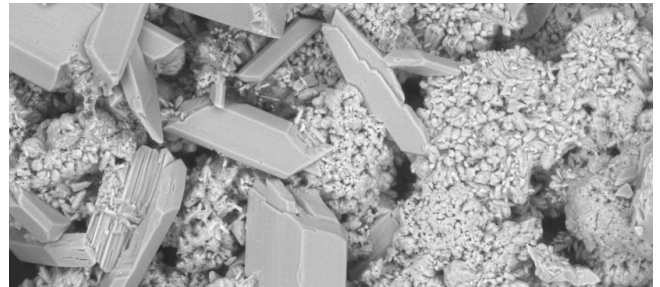
### Packaging

Available in 25 kg kegs, 230 kg drums and 1,000 kg IBCs.

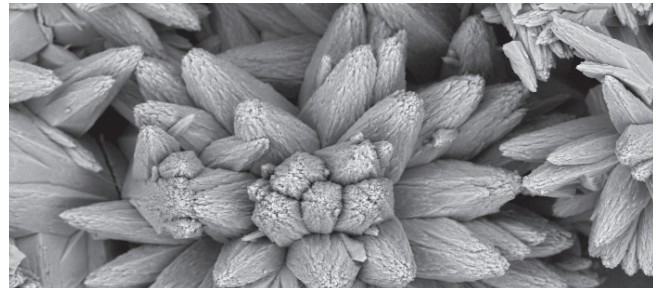
The 'shelf life' is one year under normal storage conditions.

### Typical properties

Appearance: pale yellow liquid  
pH as supplied: 8.3 – 8.7  
Specific gravity: 1.15 – 1.17  
Freezing point: <0°C



Inhibits Scale formation



Calcium Carbonate Specific

- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Particularly effective in high pressure systems working at 50-60% recovery
- ✓ Compatible with all types of polyamide membranes
- ✓ Approved for use in drinking water applications (UKDWI)
- ✓ Replaces acid addition
- ✓ Highly cost effective alternative to SHMP
- ✓ Inhibits common scales
  - Calcium carbonate
  - Calcium sulphate
  - Calcium phosphate

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