

# Genesys LP

## Low Phosphorus Antiscalant & Antifoulant

Genesys LP is a low phosphorus antiscalant & antifoulant for use in low LSI brackish water and sea water Reverse Osmosis and Nano-Filtration systems. It is effective at inhibiting the formation of inorganic scale, particularly calcium carbonate thereby reducing the frequency of membrane cleaning and replacement.

Genesys LP is an alternative to conventional antiscalants where brine phosphorus discharge limits are the primary concern and levels below 0.05 mg/l are required.

### Application

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

Typical dosage rates are 2-8 mg/L.

The optimum dosage rate can be advised by Genesys staff or an approved Genesys distributor.

Genesys LP can be diluted and is fully miscible with water in all proportions.

### Health and Safety

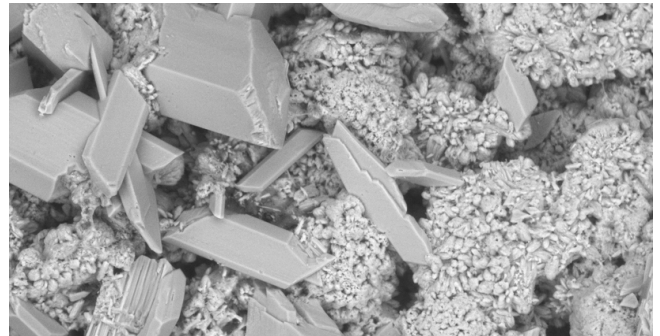
Genesys LP is an aqueous solution of neutralised polyacrylic acid. Similar products have been registered for use in drinking water applications.

Genesys LP is compatible with carbon steel and all commonly used materials of construction. Observe all safety precautions shown in the material safety data sheet, available on request.

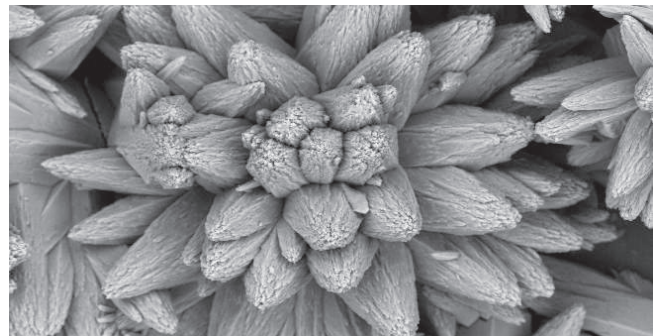
### Packaging

Available in 25 kg kegs and 240 kg drums.

The 'shelf life' is 2 years under normal conditions of storage.



Inhibits Scale formation



Calcium Carbonate Specific

- ✓ Suitable for use in Reverse Osmosis(RO) and Nano-Filtration(NF) membranes
- ✓ Compatible with all types of polyamide membrane
- ✓ Low phosphorus
- ✓ Inhibits common scales
  - Calcium carbonate
  - Barium sulphate

### Typical properties

|                   |              |
|-------------------|--------------|
| Appearance:       | clear liquid |
| pH as supplied:   | 8.0 – 8.6    |
| Specific gravity: | 1.15 – 1.17  |
| Freezing point:   | < 0°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.