



Tel: +44 (0) 1706 869777  
E-mail: [sales@desal.co.uk](mailto:sales@desal.co.uk)  
Web: [www.desal.co.uk](http://www.desal.co.uk)

## Genesys NP

### Non Phosphorus Antiscalant & Antifoulant

Genesys NP is a phosphorus-free liquid antiscalant for use in Reverse Osmosis and Nano-filtration plants.

It is effective at preventing inorganic scale particularly calcium carbonate in both sea water and low LSI/low iron brackish water thus reducing the frequency of membrane cleaning and replacement. In stressed feed water a phosphonate based antiscalant is recommended.

Genesys NP is used where brine discharge limits of phosphorus are of more concern than high recovery rates and optimizing plant operational performance.



Inhibits Scale formation

#### Application

Genesys NP should be dosed continuously to the feed water upstream of the cartridge filters.

Typical dosage rates are 2 – 8 mg/L.

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

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

#### Health and Safety

Genesys NP is an aqueous solution of neutralised polyacrylic acid. Similar products have been approved for use in potable water applications. Genesys NP is compatible with carbon steel and other commonly used materials of construction.

#### Classification

CHIP: Not Classified | UN: Non Hazardous

#### Packaging

Available in 25 kg kegs and 240 kg drums.

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

- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ No phosphorus
- ✓ Compatible with all types of polyamide membranes
- ✓ Inhibits common scales
  - Calcium carbonate
  - Barium/Strontium sulphate

#### Typical properties

Appearance: pale liquid  
pH as supplied: 6.5 – 8.5  
Specific gravity: 1.10- 1.20  
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.