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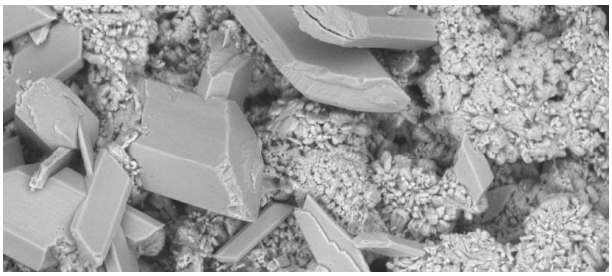
GENESYS INTERNATIONAL

Product data Sheet

Genesys LS
Antiscalant for Sea Water

Genesys LS is a broad spectrum, low phosphorous antiscalant for use in potable sea-water Reverse Osmosis and Nano-Filtration systems, both large and small.
By inhibiting all scaling species, Genesys LS allows systems to be designed and operated at high rates of recovery. Significant capital and operational cost savings can be made by reducing the amount of feed water used and concentrate to be discharged.



Inhibits Scale Formation

Prevents Iron Fouling

Application

Genesys LS should be dosed continuously to the feed water upstream of the cartridge filters. Typical dosage rates are <1-2 mg/l.

Under NSF listing the Genesys LS dose rate in the feed water should be less than 5 mg/L in potable water systems.

The optimum dosage rate can be calculated using the Genesys Membrane Master software.

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

Health and Safety

Genesys LS is an aqueous solution of neutralised phosphonates and is approved for use in drinking water applications. Genesys LS 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, 230 kg drums and 1,000 kg IBCs.
Shelf life is 2 years under normal conditions of storage.

Typical properties

Appearance:	pale coloured liquid
pH as supplied:	9.7 – 10.3
Specific gravity:	1.08 – 1.11
Freezing point:	< -2°C

- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Particularly effective in high pressure systems working at 50-60% recovery
- ✓ Compatible with all polyamide membranes
- ✓ Approved for use in drinking water applications (UKDWI)
- ✓ Highly cost effective alternative to SHMP and sulphuric acid
- ✓ Inhibits common scales
  - Calcium carbonate/sulphate
  - Calcium phosphate
  - Barium/Strontium sulphate
  - Silica
  - Iron/Manganese
- ✓ NSF listed

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.

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