

Genesys LS

Antiscalant for sea-water systems

G E N E S Y S
I N T E R N A T I O N A L

www.genesysro.com

The Complete Solution

Inhibits Scale formation



Prevents Iron fouling



- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Compatible with all polyamide membranes
- ✓ Particularly effective in high pressure systems working at 50-60% recovery
- ✓ Drinking water approval from NSF and UKDWI.
- ✓ Highly cost effective alternative to SHMP and sulphuric acid
- ✓ Inhibits common scaling species:
 - ▶ Calcium carbonate/sulphate
 - ▶ Barium/Strontium sulphate
 - ▶ Silica
 - ▶ Calcium phosphate
 - ▶ Iron/Manganese

Description

Genesys LS has been developed as a general purpose antiscalant for use in sea-water Reverse Osmosis and Nano-Filtration systems.

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.

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 a neutralised phosphonic acid and is approved for use in drinking water applications. Genesys LS is compatible with carbon steel and all commonly used materials of construction. A material safety data sheet is available on request.

Classification

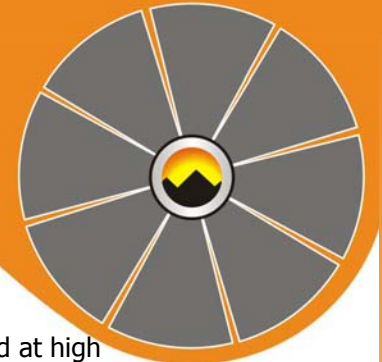
CHIP: Not Classified | UN: Non Hazardous

Typical properties

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

Packaging

Available in 25 kg kegs, 230 kg drums and 1,100 kg IBCs. Shelf life two years under normal conditions of storage.



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Genesys North America - USA
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