

# Genesys LF60

## Broad Spectrum Antiscalant

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

[www.genesysro.com](http://www.genesysro.com)

**The Complete Solution**

### Inhibits Scale formation



### Prevents Iron fouling



- ✓ Suitable for use in Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Excellent iron fouling inhibitor
- ✓ Compatible with all polyamide membranes
- ✓ Allows high recovery rates
- ✓ Drinking water approval
- ✓ Negligible impact on AOC levels
- ✓ Replaces acid addition
- ✓ Inhibits common scales
  - ▶ Calcium carbonate/sulphate
  - ▶ Barium/Strontium sulphate
  - ▶ Silica
  - ▶ Calcium phosphate
  - ▶ Iron/Manganese

### Description

Genesys LF60 has been developed as a broad spectrum antiscalant for use in brackish 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 LF60 allows systems to be designed and operated at their optimum recovery rates, reducing the amount of feed water used and concentrate to be discharged. Consequently significant savings can be made with both capital and operational costs.

### Application

Genesys LF60 should be dosed continuously to the feed water upstream of the cartridge filters.

Typical dosage rates are 4-8 mg/l.

The optimum dosage rate can be calculated using the Genesys Membrane Master<sup>®</sup> software. Genesys LF60 can be diluted and is fully miscible with water in all proportions.

### Health and Safety

Genesys LF60 is an aqueous solution of neutralised phosphonic acid that has been classified as safe to use in potable water applications. Genesys LF60 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

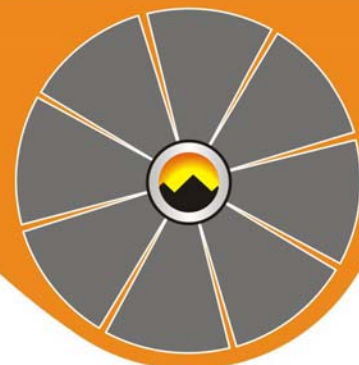
### Typical properties

|                   |                      |
|-------------------|----------------------|
| Appearance:       | pale coloured liquid |
| pH as supplied:   | 9.7 – 10.3           |
| Specific gravity: | 1.13 – 1.15          |
| Freezing point:   | <-2°C                |

### Packaging

Available in 25 kg kegs, 240 kg drums and 1,100 kg IBCs.

Genesys LF60 shelf life is two years under normal conditions of storage



### For more information contact:

#### Genesys International Ltd.

Unit 4, Ion Path, Road One, Winsford Ind. Estate,  
Winsford, Cheshire, CW7 3RG, UK

Tel: + 44 1628 622 195

E-mail: [info@genesysro.com](mailto:info@genesysro.com)

[www.genesysro.com](http://www.genesysro.com)

Genesys Latin America - Chile

Genesys North America - USA

Genesys Pacific - Singapore

Genesys Membrane Products - Spain

Release 29/12/2007