

Genesys MP

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

The Complete Solution

Inhibits Scale formation



Prevents Iron Fouling



- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Effective at LSI up to +2.3
- ✓ Excellent inhibitor for iron fouling
- ✓ Excellent silica antiscalant
- ✓ Drinking water approval from NSF.
- ✓ Compatible with all types of polyamide membrane
- ✓ Replaces acid addition
- ✓ Inhibits common scales
 - ▶ Calcium carbonate/sulphate
 - ▶ Calcium phosphate
 - ▶ Barium/Strontium sulphate
 - ▶ Silica
 - ▶ Iron/Manganese

Description

Genesys MP is a broad spectrum liquid antiscalant for municipal Reverse Osmosis and Nano-filtration systems. It is effective in brackish and sea water applications preventing inorganic scale, particularly calcium carbonate, iron and silica thus reducing the frequency of membrane replacement and cleaning. Genesys MP is effective at a Langelier Saturation Index (LSI) of +2.3 which means that systems can be designed and operated at their optimum recovery rates. By reducing the amount of feed water used and concentrate to be discharged, significant savings can be made to both capital and operational costs.

Application Guide

Genesys MP should be dosed continuously to the feed water upstream of the cartridge filters. Typical dosage rates are 1 – 5 mg/L. Under NSF listing the Genesys MP 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 MP can be diluted and is fully miscible with water in all proportions.

Health and Safety

Genesys MP is an aqueous solution of neutralised phosphonic acid. It has been approved for use in potable water applications and does not contribute to assimilable organic carbon (AOC), which can act as source of nutrient for micro-organisms. Genesys MP is compatible with carbon steel and other commonly used materials of construction.

Classification

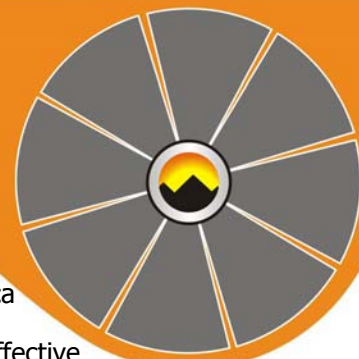
CHIP: Not Classified | UN: Non Hazardous

Typical properties

Appearance: straw coloured liquid
pH as supplied: 9.8 - 10.2
Specific gravity: 1.28 - 1.30
Freezing point: < - 5°C

Packaging

Available in 25 kg kegs, 250 kg drums, 1,300 kg IBCs.
The 'shelf life' is two years under normal storage conditions.



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Genesys Latin America - Chile
Genesys North America - USA
Genesys Membrane Products - Spain