

Genesys AP

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
- ✓ Proven effectiveness at LSI up to +2.6
- ✓ Inhibits iron fouling
- ✓ Compatible with all polyamide membranes
- ✓ Allows high recovery rates
- ✓ Negligible impact on AOC levels
- ✓ Replaces acid addition
- ✓ Inhibits common scaling species
 - ▶ Calcium carbonate/sulphate
 - ▶ Barium/Strontium sulphate
 - ▶ Silica
 - ▶ Magnesium hydroxide
 - ▶ Iron/Manganese

Description

Genesys AP has been developed as a broad spectrum antiscalant for use in Reverse Osmosis and Nano-Filtration systems. It is highly effective at preventing calcium carbonate scale formation and iron fouling thus reducing the frequency of membrane cleaning and replacement.

Genesys AP has been proven to be effective at a Langelier Saturation Index of +2.6 allowing systems to be designed and operated at higher recovery rates. Significant capital and consumable cost savings can be made by reducing the amount of feed water needed and reject water for disposal.

Application

Genesys AP should be dosed continuously to the feed water upstream of the cartridge filter. Typical feed water dose rates are 2-4 mg/L. The optimum dosage rate can be calculated using the Genesys Membrane Master[®] software. Genesys AP can be diluted and is fully miscible with water in all proportions.

Health and Safety

Genesys AP is an aqueous solution of phosphonic acid, classified as non-toxic. Genesys AP is corrosive to carbon steel so all pumps, pipe-work and tanks should be made from acid resistant materials. A material safety data sheet is available on request.

Classification

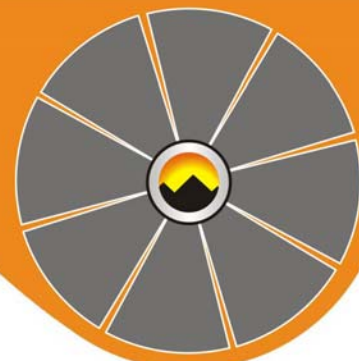
CHIP: Irritant | UN: Corrosive

Typical properties

Appearance: pale coloured liquid
pH as supplied: <1.5
Specific gravity: 1.14 – 1.16
Freezing point: <-2°C

Packaging

Available in 25 kg kegs and 250 kg drums.
Shelf life 12 months under normal conditions of storage.



For more information contact:

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