

Genesys PHO

Calcium phosphate 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



Calcium phosphate Specific



- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Compatible with all types of polyamide membranes
- ✓ Replaces acid addition
- ✓ Allows high recovery rates
- ✓ Simple Test Method
- ✓ Inhibits common scalants
 - ▶ Calcium carbonate/sulphate
 - ▶ Barium/Strontium sulphate
 - ▶ Calcium phosphate
 - ▶ Silica

Description

Genesys PHO has been developed specifically to prevent calcium phosphate and calcium carbonate scaling in Reverse Osmosis and Nano-Filtration systems. Genesys PHO permits system operation at higher pH and recovery than other antiscalants. By reducing the amount of feed water needed, reject water for disposal and acid for pH control, significant capital and operating cost savings can be made.

Application

Genesys PHO should be dosed continuously to the feed water upstream of the cartridge filter. The dose rate of Genesys PHO is based on the calcium and phosphate content of the concentrate stream, as well as pH, temperature and ionic strength. Genesys staff will be pleased to provide advice on the most suitable dose rate for a particular water analysis and set of operating conditions. Genesys PHO can be diluted and is fully miscible with water in all proportions

Health and Safety

Genesys PHO is a non-hazardous, synergistic blend of phosphonates and carboxylic acids, compatible with carbon steel and other commonly used materials of construction. A material safety data sheet is available on request.

Typical properties

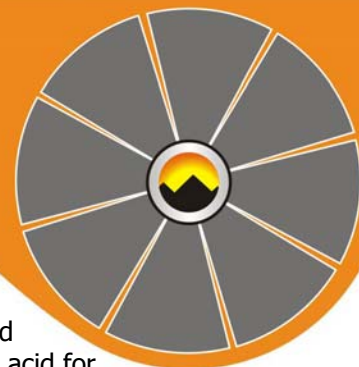
Appearance:	pale clear liquid
pH as supplied:	6.0 – 6.4
Specific gravity:	1.30 – 1.32

Classification

CHIP: Not Classified | UN: Non Hazardous

Packaging

Available in 25 kg kegs, 250 kg drums and 1,300 kg IBC's. The shelf life of Genesys PHO is 2 years under normal storage conditions.



For more information contact:

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