

Genesys BS

Barium sulphate Anti-scalant

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



Barium sulphate Specific



- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Compatible with all polyamide membranes
- ✓ Allows high recovery rates
- ✓ Simple test method
- ✓ Inhibits common scalants
 - ▶ Barium/Strontium sulphate
 - ▶ Calcium carbonate
 - ▶ Calcium sulphate
 - ▶ Magnesium hydroxide
 - ▶ Silica

Description

Genesys BS has been developed as an anti-scalant for use in Reverse Osmosis and Nano-Filtration systems using natural and process feed-waters with particularly high levels of barium sulphate and calcium carbonate. It is also effective against other common scaling species.

The strong threshold properties exhibited by Genesys BS against barium sulphate enable membrane systems to be operated at their optimum recovery rate. This reduces the amount of feed water needed and the volume of reject water for disposal. Consequently, significant capital and consumable cost savings can be made.

Application

Genesys BS should be dosed continuously to the feed water upstream of the cartridge filter.

Typical dosage rates are 3-5 mg/l.

Genesys International staff will provide advice on the most suitable dose rate for a particular water analysis. Genesys BS can be diluted and is fully miscible with water in all proportions. Solutions of Genesys BS should be prepared daily.

Health and Safety

Genesys BS is a non-hazardous, synergistic blend of phosphonates and carboxylic acids that is compatible with carbon steel and commonly used materials of construction.

A material safety data sheet is available on request.

Typical properties

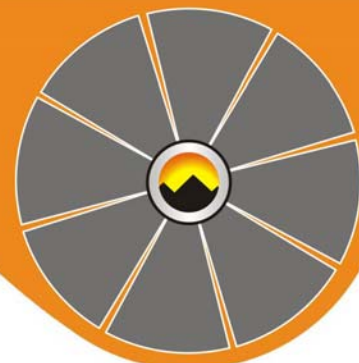
Appearance:	pale clear liquid
pH as supplied:	6.8 – 7.2
Specific gravity:	1.19 – 1.22
Freezing point:	< - 0°C

Classification

CHIP: Not Classified | UN: Non Hazardous

Packaging

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



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