

# Genesys CAS

Calcium sulphate 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



## Calcium sulphate Specific



- ✓ Suitable for Reverse Osmosis (RO) and Nano-Filtration (NF) membranes
- ✓ Compatible with all polyamide membranes
- ✓ Replaces acid addition
- ✓ Allows high recovery rates
- ✓ Simple test method
- ✓ Inhibits common scales
  - ▶ Calcium carbonate/sulphate
  - ▶ Barium/Strontium sulphate
  - ▶ Iron/Manganese
  - ▶ Silica

## Description

Genesys CAS has been developed as an antiscalant for use in Reverse Osmosis and Nano-Filtration systems operating with feed-waters containing high levels of calcium sulphate. Genesys CAS is also effective against calcium carbonate and other commonly found scaling species.

The strong threshold properties shown by Genesys CAS against calcium sulphate and calcium carbonate enable membrane systems to be operated at their optimum recovery rate. This reduces the amount of feed water needed and the volume of concentrate requiring disposal. Consequently, significant savings can be made with both capital and operational costs.

## Application

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

Typical dosage rates are 3-5mg/l.

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

## Health and Safety

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

A material safety data sheet is available on request.

## Typical properties

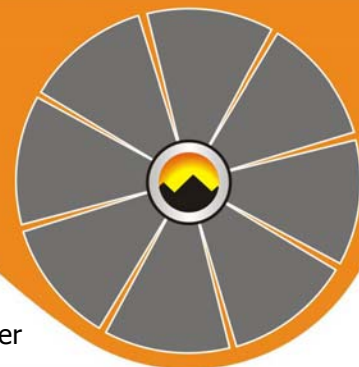
Appearance:	pale clear liquid
pH as supplied:	8.3 – 8.7
Specific gravity:	1.31 – 1.33
Freezing point:	< - 5°C

## Classification

CHIP: Not Classified | UN: Non Hazardous

## Packaging

Available in 25 kg kegs and 250 kg drums, 1,300 kg IBCs.  
The shelf life is 12 months under normal storage conditions.



## For more information contact:

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