

# Genesys CS2

## 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
- ✓ Can replace acid addition
- ✓ Allows high recovery rates
- ✓ For use in high sulphate Low LSI waters
- ✓ Inhibits Common Scalants
  - ▶ Calcium sulphate
  - ▶ Barium/Strontium sulphate

### Description

Genesys CS2 has been developed as a calcium sulphate antiscalant for use in membrane and other types of process systems.

Genesys CS2 is the ideal antiscalant for process waters with high levels of calcium sulphate and operating pH values <6.5. The strong threshold properties exhibited by Genesys CS2 against calcium sulphate enable membrane systems to be operated at their optimum recovery rate, reducing the amount of feed water used and the volume of reject water to be disposed. Consequently, significant capital and consumable cost savings can be made.

### Application

Genesys CS2 should be dosed continuously to the feed water upstream of the cartridge filter. Typical dosage rates are 3 – 7 mg/l. Genesys International staff will provide advice on the most suitable dose rate for a particular water analysis. Genesys CS2 can be diluted and is fully miscible with water in all proportions. In medium to high LSI waters, Genesys CAS is the preferred antiscalant.

### Health and Safety

Genesys CS2 is an aqueous, synergistic blend of phosphonates and carboxylic acids. Genesys CS2 is corrosive to carbon steel so all pumps, pipe-work and tanks should be made from acid resistant material. A material safety data sheet is available on request.

### Classification

CHIP: Not Classified | UN: Non Hazardous

### Typical properties

Appearance: pale clear liquid  
pH as supplied: 5.0 – 5.5  
Specific gravity: 1.15 - 1.19  
Freezing point: < - 2°C

### Packaging

Available in 25 kg kegs and 200 kg drums.  
Shelf life 12 months under normal conditions.



### For more information contact:

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