

## Performance:

Vitec<sup>®</sup> 5000 antiscalant offers a variety of performance and application benefits:

- Powerful inhibitor against a variety scales including:
  - $\text{CaCO}_3$
  - $\text{CaSO}_4$
  - $\text{BaSO}_4$
  - $\text{SrSO}_4$
  - $\text{CaF}$
  - $\text{SiO}_2$
  - $\text{CCPP} > 900$
  - $(\text{LSI} > 2.8)$
  - $3.0 \times \text{Ksp}$
  - $105 \times \text{Ksp}$
  - $20 \times \text{Ksp}$
  - $1000 \times \text{Ksp}$
  - $120 \text{ppm}$
- Highly effective at low dose rates in a wide range of feedwater types and pH ranges.
- Compatible with polyelectrolytes
- Provides both scale and inorganic fouling control
- Compatible with all membrane types

## Antiscalant Product Datasheet

**Vitec<sup>®</sup> 5000** is a liquid antiscalant/dispersant blended to inhibit scale and disperse colloidal particles in cellulose acetate and thinfilm membrane separation systems. The formulation has been approved for use in drinking water by the UK Secretary of State.

This formulation is its compatible with Avista Technologies organic coagulants.

### Application:

Optimum Vitec 5000 performance is achieved when the chemical is injected upstream of the membrane system and where possible of cartridge filters.

### Dosing Guidelines:

The typical dosage range is between 2 to 5 ppm. A site-specific dose can be determined using the **Avista Advisor** computer program. Like any injected chemical, over or underdosing may cause unnecessary membrane system fouling. Please contact the Avista customer service department for site specific dosing instructions.

### Dilution:

If dilution is required, Vitec 5000 should be diluted with demineralized water or RO permeate. If neither of these water sources is available, softened water may be substituted. The dilution for Vitec 5000 should not exceed 10% by weight.

### Packaging and Storage:

Standard regional pack sizes are listed below. Custom packaging can be provided worldwide to meet customer needs. Information on drumless or bulk tanker delivery is available on request.

Specifications	
Appearance:	Light amber liquid
pH (10% solution):	2.0 – 3.0
Specific Gravity@20°C:	1.17±0.05

Packaging Formats	Americas	EMEA
Pails	45 lbs	23 kg
Drums	500 lbs	230 kg
IBC's (totes)	2500 lbs	1100 kg

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