

### PERFORMANCE BENEFITS:

- Powerful against these and other types of scale:

Calcium Carbonate	CaCO <sub>3</sub>
Calcium Sulfate	CaSO <sub>4</sub>
Barium Sulfate	BaSO <sub>4</sub>
Strontium Sulfate	SrSO <sub>4</sub>
Calcium Fluoride	CaF <sub>2</sub>
Silica	SiO <sub>2</sub>

- Formulated with a crystal modification property that distorts inorganic salt crystal growth to reduce system fouling.
- Threshold scale inhibition at low dose rates allows economical system operation.
- Highly effective in a wide variety of feedwaters and pH ranges.
- Compatible with polyelectrolyte coagulants and our line of RoQuest® coagulants.

Please consult your sales representative for further technical or logistical details and always review the SDS before use to ensure suitable safety precautions are followed.

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Vitec® 7000 is a multicomponent liquid antiscalant and dispersant that provides a high level of sulfate inhibition and allows increased reverse osmosis (RO) system recoveries in challenging waters. It prevents calcium sulfate (CaSO<sub>4</sub>) scale precipitation, allowing up to 7 times saturation. The primary application of this product is brackish water or waste water rich in sulfate, which requires a specialty product for economic membrane system recovery. It is successfully applied on industrial and potable applications.

Vitec 7000 is approved for use in systems producing drinking water in the UK, is formulated using ingredients approved for use in European drinking water systems and by NSF International under NSF/ANSI Standard 60.

### INSTRUCTIONS FOR USE

#### Injecting

Best results are achieved when Vitec 7000 is injected downstream of multimedia filters and upstream of cartridge filters.

#### Dosing

A typical Vitec 7000 dose ranges from 2-5 mg/l. A site-specific dose can be determined using the Avista Advisor software program.

#### Dilution

Vitec 7000 is formulated to be injected neat. However, if dilution is required, use deionized, or RO permeate. If neither of these is available, softened water may be substituted. The dilution for Vitec 7000 should not result in a solution strength of less than 10%. This guideline will protect the effectiveness of the internal bacteriostat, which inhibits bacterial growth in the product packaging and feed tank.

### PRODUCT INFORMATION

#### Packaging and Storage

Standard regional pack sizes are listed below. Information on drumless or bulk tanker delivery is available on request.

Vitec 7000 should be protected from freezing during storage as the active ingredients may separate under extreme temperatures. If freezing occurs, warm the chemical until it returns to its liquid state and stir to recombine.

#### SPECIFICATIONS

<b>Appearance:</b> Clear, amber liquid
<b>pH (10% solution):</b> 5.0-7.0
<b>Specific gravity (@ 20°C):</b> 1.15-1.25

PACKAGING FORMAT	AMERICAS/ ASIA	EMEA
Pail	45 lb	23 kg
Drum	500 lb	230 kg
IBC tote	2500 lb	1100 kg