Vitec® 5100

Antiscalant Product Datasheet

Performance:

Vitec® 5100 antiscalant offers a variety of performance and application benefits:

- Powerful inhibitor against a variety scales including:

$CaCO_3$	**CCPP>900 (LSI>2.8)**
$CaSO_4$	**3.0 x Ksp**
$BaSO_4$	**105 x Ksp**
$SrSO_4$	**20 x Ksp**
CaF	**1000 x Ksp**
SiO_2	**120ppm**

- Highly effective at low dose rates in a wide range of feedwater types and pH ranges.
- Compatible with polyelectrolyes
- Provides both scale and inorganic fouling control
- Compatible with all membrane types

Vitec® 5100 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 certified by the National Sanitation Foundation (NSF) under ANSI/NSF Standard 60 for use in producing potable water.

This formulation is its compatible with Avista Technologies organic coagulants.

Application:
Optimum Vitec 5100 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 10 ppm. A site-specific dose can be determined using the **Avista Advisor** computer program. Please contact the Avista customer service department for site specific dosing instructions.

Dilution:
If dilution is required, Vitec 5100 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 5100 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:	Clear yellow liquid
pH (2% solution):	5.0 – 6.5
Specific Gravity@20°C:	1.1± 0.05

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

NSF Certified to NSF/ANSI 60

DRINKING WATER TREATMENT ADDITIVES CLASSIFIED BY NSF INTERNATIONAL TO NSF/ANSI 60 ON SEPTEMBER 2006 AS STANDARD DRINKING WATER TREATMENT CHEMICAL FOR USE IN REVERSE OSMOSIS SYSTEMS AT A MAXIMUM LEVEL OF 13 mg/l

08/10

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