

REVERSE OSMOSIS ANTISCALANT

Vitec™ 1141

Antiscalant / Dispersant

APPLICATION

Vitec™ 1141 is a liquid antiscalant and dispersant that is used on waters where the silica and sulfate are elevated. It has been successfully used in seawater, surface water and ground water applications and is also good on feedwater sources where particle breakthrough is common due to pretreatment issues.

INJECTING

Best results are achieved when Vitec 1141 is injected downstream of multimedia filters and upstream of cartridge filters.

DOSING

A typical Vitec 1141 dose ranges from 2 to 5 mg/l. A site-specific dose can be determined using the Avista™ Advisor™Ci software program.

DILUTION

Vitec 1141 is formulated to be injected neat. However, if dilution is required, use deionized water or reverse osmosis (RO) permeate. If neither of these is available, softened water may be substituted. The dilution for Vitec 1141 should not result in a solution strength of less than 10%. This guideline protects the effectiveness of the internal bacteriostat, which inhibits bacterial growth in the product packaging and feed tank.

CHEMICAL AND PHYSICAL PROPERTIES

CHARACTERISTICS	DATA
Appearance	Clear to amber liquid
pH (as supplied)	2.0 – 3.0
Specific gravity (@20°C)	1.1 – 1.2

PERFORMANCE BENEFITS

- Good for preventing moderate scaling of these and other type of scales:

Silica scale	SiO ₂
Calcium sulfate	CaSO ₄
Barium sulfate	BaSO ₄
Aluminum silicates	Al ₂ SiO ₅
Calcium carbonate	CaCO ₃

- Wide spectrum antiscalant used on systems with elevated silica and sulfate.
- Good for systems with high particulate fouling.
- Compatible with polyamide membranes from all major manufacturers.
- Highly effective in a wide variety of feedwater pH ranges.

PACKAGING

Standard regional pack sizes are listed below. Information on bulk delivery options is available on request.

PACKAGING FORMAT	EMEA
IBC	1100 kg
Drum	235 kg
Pail/Bag	20 kg
Jerry Can	–

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.

*Vitec 1141 is a previously named Osmotech product. It has been renamed to Vitec to create a globally trademarked antiscalant line. There has been no formulation change.

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