

### PERFORMANCE BENEFITS:

- Contains more than 9.5% soluble ferric ion and less than 0.2% ferrous ion.
- Filter-aid properties resist solids breakthrough in direct filter applications.
- Low dosage requirements and effective over a wide pH range.
- Capable of producing RO quality feedwater in multimedia and sand filters.
- Compatible with polyamide and cellulose acetate RO membranes and Avista antiscalants, including Vitec® 3000, 3025, 5000, 5100 and 7000.

RoQuest® 6000 is a liquid blend of organic coagulants and ferric sulfate used to reduce turbidity and remove humic and fulvic acids in multimedia filters. This multicomponent polymer and iron salt coagulant is formulated specifically for membrane use, including applications of surface waters that are both brackish and seawater in origin. RoQuest 6000 is also used as a coagulant and flocculation aid in flocculator-clarifiers and multi-media filters.

RoQuest 6000 boosts filter performance by removing colloids, silt and many organic molecules, producing an improved filtrate which will reduce reverse osmosis (RO) and nanofiltration (NF) membrane fouling downstream.

### INSTRUCTIONS FOR USE

#### Injecting

Inject RoQuest 6000 at least 15 feet (5 m) upstream of multimedia filters. This allows proper mixing within the feedstream before introduction into the filter. Do not use static mixers ahead of the filters as the shear imparted by this equipment will degrade the polymers contained in this formulation.

#### Dosing

A typical RoQuest 6000 dose ranges from 5-35 mg/l. Approximately 0.25 mg/l of alkalinity expressed as calcium carbonate is required per mg/l of RoQuest 6000. Following coagulant addition, a minimum of 25 mg/l of residual alkalinity is required.

Significant overdosing of RoQuest 6000 may cause degradation in the quality of the filtered water.

#### Dilution

RoQuest 6000 should be fed neat if possible. When dilution is necessary, dilute no more than 4:1 with RO permeate or deionized water.

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.

### CORPORATE OFFICES

Avista Technologies, Inc.



Certified to  
NSF/ANSI 60

Avista Technologies (UK) Ltd

### PRODUCT INFORMATION

#### Packaging and Storage

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

Please protect this product from freezing.

#### SPECIFICATIONS

Appearance: Clear, dark brown liquid

pH (1% solution): 2.0-3.0

Specific Gravity (@25°C): 1.40-1.60

PACKAGING FORMAT	AMERICAS/ ASIA	EMEA
Pail	45 lb	23 kg
Drum	500 lb	300 kg
IBC tote	2500 lb	1500 kg