

### PERFORMANCE BENEFITS:

- Filter-aid properties resist solids breakthrough in direct filter applications.
- Low dosage requirements and no minimum alkalinity.
- Internal biostat inhibits biological growth in the drum and feed tank.
- 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.

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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RoQuest® 3000 liquid coagulant contains a proprietary blend of organic polymers that works best on waters with hard silt based colloidal particulates. This multicomponent polymer coagulant is formulated specifically for membrane use, including applications of particle-laden borehole sources or treated municipal supplies that are used for industrial or drinking water. RoQuest 3000 is injected into the feedstream of multimedia and sand filters where it enhances filter performance by reducing turbidity and color to produce an improved filtrate that will reduce downstream reverse osmosis (RO) and nanofiltration (NF) membrane fouling.

Best results are achieved with municipally treated feedwaters and raw waters that contain relatively low concentrations of particulates and organic color. In raw waters, the upper limits of turbidity and color for this product are 2.0 NTU and 10 units, respectively.

### INSTRUCTIONS FOR USE

#### Injecting

Inject RoQuest 3000 at least 15 feet (5 m) upstream of the 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 3000 dose ranges from 0.5-4.0 mg/l. For specific dosing calculations, refer to the RoQuest Coagulants Selection Guide and Avista Advisor.

Significant overdosing of RoQuest 3000 may cause degradation in the quality of the filtered water.

#### Dilution

Prior to injection into the feedstream, RoQuest 3000 can be diluted at a rate of 25:1 using dechlorinated water. This can improve product effectiveness but is not generally necessary.

### PRODUCT INFORMATION

#### Packaging and Storage

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

#### SPECIFICATIONS

**Appearance:** Clear, colorless to amber liquid

**pH (1% solution):** 4.0-6.0

**Specific Gravity (@25°C):** 1.0-1.1

PACKAGING FORMAT	AMERICAS/ ASIA	EMEA
Pail	45 lb	23 kg
Drum	475 lb	220 kg
IBC tote	2200 lb	1000 kg