

# UltraFloc 509

## Liquid Cationic Polymer

UltraFloc 509

Technical Data Sheet

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UltraFloc 509 is a highly cationic, medium viscosity, medium molecular weight Poly-quaternary amine. It is effective as a coagulant/flocculant in raw water/waste water clarification, flotation and in-line filtration. UltraFloc 509 is chlorine resistant and is certified to NSF/ANSI Standard 60 up to 20 mg/L in potable water.

Technical Data	Typical Properties
Appearance	Clear, Amber-Colored Liquid
Odor	Amine
Product Viscosity @ 25°C	550 - 1000 cps
Density	9.5 lbs/gal
Flash Point	None
Boiling Point (°C @ 760 mm Hg)	>100°C
Freezing Point (°C)	< 0°C
pH, Neat (as is), @ 25°C	5.5 - 6.5
Shelf Life:	One Year

## Handling, Storage and Feeding

UltraFloc 509 should be transferred only in well-ventilated areas. As with all chemicals, care should be taken during transfer and appropriate protective equipment should be worn. Clean up spills immediately using inert absorbent materials such as clays, sand, earth or other commercially available dry sweeping compound. The product may cause a slip hazard. Store it in fiberglass, stainless steel or plastic lined vessels located in a cool area. However, avoid storage temperatures below freezing, since this product may stratify. UltraFloc 509 is shipped either in bulk, in 55-gallon (208 liters) non-returnable drums, or in 275-gallon / 330-gallon plastic totes. Use corrosion resistant, positive displacement pump to meter the neat product to a water line for continuous dilution to 0.5% or less before application. Feed the diluted product or, in some cases, neat product at a point which ensures complete mixing, such as prior to the rapid mix zone.

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