

UltraFloc 503

Liquid Cationic Polymer

UltraFloc 503

Technical Data Sheet

UltraFloc 503 is a cationic, very low viscosity, low molecular weight Polyamine. It is effective as a coagulant/flocculent in raw water/waste water clarification and as a filter aid in treating raw water/waste water. It is especially beneficial in low turbidity/highly colored waters.

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Technical Data	Typical Properties
Appearance	Clear to Slightly Yellow Liquid
Odor	Amine
Product Viscosity @ 25°C	15 - 35 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	7.0 – 9.0
Shelf Life:	One Year

Handling, Storage and Feeding

UltraFloc 503 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 503 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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