

Floc Aid 19

Water Soluble Polymer

Synthetic polymeric demulsifier developed to resolve oil in water emulsions, an ampholyte, polycationic in most apps.

Specifications

pH	3.8-4.5
Solid content	26-29 %
Viscosity	590-900 (25°C, 20 rpm, Sp#2, RVT) cps

Characteristics

Appearance	Clear to cloudy solution at 25°C
Density	8.9 lbs/US gal at 25°C
Freezing point	-9 °C
Specific Gravity	1.07 g/cc at 25°C

Notes:

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

Applications

Flocculation, emulsion breaking. Ultra-stable aqueous demulsifier, non-ionically modified. Typical doses applied to oil-in-water emulsion test systems indicate that 2-10 ppm effectively promote the coalescence of oil droplets reducing emulsion turbidity by over 75%. The effectiveness of the demulsifier coupled with the ready to use liquid form, makes FLOC AID 19 simple to use directly or to dilute for further preparations. A synthetic oil-in-water emulsion was treated with various concentrations of FLOC AID 19. Variable shear was applied, followed by twenty minutes of static aging. Criteria for performance is final clarity of treated emulsion as measured calorimetrically. FLOC AID 19 effectively destabilized this emulsion resulting in a clean oil/water separation and a significant reduction in emulsion turbidity

Storage

While freezing does not affect product performance, it is recommended that the product be protected from freezing during shipment and storage. Due to the low pH of the product, handling equipment should be corrosive resistant. Further, since FLOC AID 19 is cationic and reactive, no anionic polymers should be mixed with the product. Mixtures prepared with FLOC AID 19 should first be checked on the laboratory scale. FLOC AID 19 is recommended for industrial use only. Toxicological properties have not been fully explored and we recommend that normal precautions be taken to avoid ingestion or contact with the eyes or skin.

Additional information

FLOC AID 19 is supplied in the easy to use liquid form. No special equipment is needed to handle slow dissolving solids. FLOC AID 19 is an efficient demulsifier which can be used alone and with coagulants such as alum and ferric chloride. The amphoteric nature of FLOC AID 19 helps to coalesce oil droplets with complex surface charges, thereby broadening its area of use.

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