

Technical Bulletin

Aquafloc

Cationic Polymer Water Clarifier

Product Description:

Aquafloc is a formulation of cationic polyelectrolytes and inorganic salts used in the clarification of industrial waste waters. Aquafloc is particularly useful for dynamic systems such as car wash water holding tanks and settlement systems.

- Easy to apply, readily pourable liquid which simplifies dilution, feeding, and handling operations.
- Increases the settling rate of suspended solids
- Aids in hydrocarbon recovery from water stream
- Allows coagulation of suspended particles prior to treatment in flotation cells.
- May be used without the addition of other clarification chemicals
- Assists the cleanup of oily water
- Eliminates the need for pH adjustment

APPEARANCE	Clear, pale straw liquid
SPECIFIC GRAVITY	1.149 @ 20c
pH 1% solution	4.1
SOLUBILITY IN WATER	Water Soluble
CHEMICAL REACTIVITY	Nonreactive

Application:

Aquafloc flocculant should be metered to the system continuously by use of a corrosion resistant, positive displacement pump and diluted 5:1 to 50:1 with clean water prior to being fed to the process stream. Essential for maximum efficiency is the immediate and thorough.

Points of Addition

The flocculant feed solution should be fed to the pulp as close as possible to the area where actual separation takes place, but not so close that efficient floc forming is prevented because of too short contact time. Contact time has to be determined by experiment for the flocculant to perform advantageously. mixing of the flocculants with the substrate.

Treatment Levels

Use concentrations can vary from 1 to 100ppm. A simple "jar test" can be undertaken to determine an effective dilution.

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