

PT - 251, 253, 255, & 257 - HCP

ORGANIC COAGULANT

DESCRIPTION:

PT-###-HCP product line are liquid cationic polyamine organic coagulants that effectively replace or significantly reduce the need for primary inorganic metal salts in the clarification of water and wastewater. The different versions come in increasing degrees of viscosity. They are particularly recommended for use in water clarification for the removal of high color and/or low turbidity and are approved by EPA for use in the clarification of potable water at dosages up to 20 ppm. They are also effective in retaining fines and filler in some grades of paper.

APPLICATION:

The PT-###-HCP product line are organic polymers in an aqueous solution. They are most effective when used as a coagulant / flocculant for clarification of water or wastewater. They are also effective in retaining fines and filler in some grades of paper.

The PT-###-HCP product line should be fed via a positive displacement-

metering pump to a point in the system upstream of the point where the liquid/solids separation takes place. The PT-###-HCP product line may be diluted, in line with water to enhance performance.

Typical Product Characteristics

Appearance.....Slight yellow liquid
Specific Gravity.....1.12 – 1.18
PH.....5.5 - 7.5
Activity.....50% Solids

Viscosity at 20°C:

PT-251.....80 - 125 cps
PT-253.....175 - 400 cps
PT-255.....550 - 1000 cps
PT-257.....1000 - 4000 cps

DOSAGE:

The dosage of PT-###-HCP will vary depending on the application. Laboratory screening tests will provide a starting point.

STORAGE AND HANDLING:

The PT-###-HCP product line should be stored at 50-80° F. Short term exposures to higher or lower temperatures will not normally harm the product. If frozen, PT-###-HCP should be warmed to 50-80° F. and agitated prior to use. The shelf life of the PT-###-HCP product line is at least six months.