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FLOCSURE-PC-4964

Cationic Polyelectrolyte

Flocsure-PC-4964 Polyelectrolyte is a high active, high molecular weight cationic flocculant which works effectively as a coagulant aid or sludge dewatering agent in liquid-solid separation processes.

Advantages:

- Economical to use
  Effective at very low dosage levels, resulting in reduced handling and storage costs.
- Gravity settling operations attain faster settling of sludge solids and improved supernatant clarity.
- Belt Press benefits through increased filtration rates and drier sludge cakes. Sludge contains less ash when incinerated.
- Centrifuges produce drier sludge cakes, greater throughput, increased solids recovery and clearer centrates.
- Air flotation systems produce clearer underflows, greater throughput and increased float-cake solids.
- Where sand drying beds are employed for sludge dewatering greater bed ladings and faster drying rates are often possible.
- Non-corrosive.

Application:

This flocculant should be dissolved in water under low agitation to make a 0.01 to 0.05 percent soluti Dissolution should be complete in 60 minutes, but will be faster in warm water. However, avoid temperatu above 50^0 C. For best results provide further dilution with clean water prior to being fed to the process strea Avoid turbulent mixing conditions in the process stream after cationic flocculants has been added

Principle Uses:

Improves solid-liquid separations in the following applications :

- Belt Press of municipal and industrial wastewater sludges and wood pulp suspension.
- Gravity, air flotation or centrifuge thickening of wastewater sludges food wastes and paper fines.

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Suggested Treatment Levels:

Type of Use

Belt press, Screw Press, Filter Press or Centrifuge dewatering
of municipal or industrial wastewater sludge.....0.1 to 1%/dry solid.
Air flotation of activated sludge or paper mill fines .....0.1 to 5 ppm.
Thickening, clarification or treatment of elutriated, digested
primary and waste activated sludge. .....0.1 to 5 ppm

Typical Properties:

➢ Chemical Composition	Cationic polyacrylamide
➢ Appearance	White Granule
➢ Bulk Density (gr /ml)	0.6 ~ 0.7
➢ Effective pH Range	3 ~ 10
➢ pH of Solution (25^0C) 0.1 %	4 ± 0.5

Handling:

Spilled polymer is very slippery. Spills should be scooped and / or wiped prier to flushing with water. Being highly hygroscopic avoid from exposure to air.

Note: The information presented here is based on best of our present knowledge. However should not be considered as guarantee of any specific property or product as a hole