

FLOCSURE-PC-4973 Cationic Polyacrylamide

Flocsure-PC-4973 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 loadings 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 solution. Dissolution should be complete in 60 minutes, but will be faster in warm water. However, avoid temperatures above 50⁰ C. Avoid turbulent mixing conditions in the process stream after cationic flocculants has been added

NUMATIK ENGINEERS PVT. LTD.

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.

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 fines0.1 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)	0.8 ~ 0.9
➤ Effective pH Range	3 ~ 11
➤ pH of Solution (25 ⁰ C) 0.1 %	4 ± 0.5

Handling:

Spilled polymer is very slippery. Spills should be scooped and / or wiped prior 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