

WT 8309

ANIONIC FLOCCULENT

DESCRIPTION:

WT 8309 is a high charge, very high molecular weight anionic polyacrylamide flocculant supplied as a low viscosity emulsion. It is effective in a wide range of applications over a broad pH range of 6-12.

Typical Product Characteristics

AppearanceOpaque Liquid
Viscosity500-1500 cps
Freeze Point.....5°F (-15°C)
pH of product.....6.0 - 8.0

SAFETY & HANDLING:

WT 8309 should be stored in a heated building, between 5°C and 35°C. If frozen, the product should be allowed to thaw completely and agitated prior to use. Storage in stainless steel, plastic or epoxy-lined steel is recommended. Mild steel, iron, aluminum or copper is to be avoided in both storage and feed equipment. Bulk material should be mixed every 1-2 days using a low shear recirculating pump, bottom to top. Mixers can be used in drums or liqui-bins if necessary. Spills should be wiped up with an absorbent material and then washed down with a bleach solution. Toxicity is low, but normal precautionary clothing should be worn when handling this material. For additional information, see relevant Material Safety Data Sheet.

ADVANTAGES:

- Effective over a wide pH range
- Suitable for use in a broad spectrum of liquid-solid separation processes
- Synergistic effects with coagulant aids

GENERAL APPLICATIONS:

WT 8309 is used in many diverse solid-liquid separation processes in water and waste treatment and mineral processing applications for settling, thickening and dewatering. It can be used alone or in conjunction with alum or ferric salts, polyaluminum chloride, polyamines and polyDADMACs.

The following dosages are recommended:

Water & Waste Treatment	
Settling/Clarification:	0.5 to 20 ppm
Thickening/Dewatering:	1 - 20 lbs/ton
Minerals Processing	
Settling/Thickening:	0.01-0.2 lbs/ton
Dewatering:	0.1 to 2 lbs/ton

Solutions of WT 8309 are prepared by adding the neat polymer to water below 120°F either through an automatic polymer feed unit or into the vortex of a stirred tank of water to prepare a 1% solution. Age the solution for 30 to 60 minutes, followed by in-line dilution of 0.1% or less. Avoid excessive mixing which could lead to polymer degradation. Gear or positive displacement pump use is recommended.

PACKAGING:

WT 8309 is shipped in 55 gallon (475 lbs) non-returnable steel drums, non-returnable liqui-bins (2200 lbs) or in bulk.