

WT-1625

CATIONIC COAGULANT

DESCRIPTION:

WT-1625 is a medium molecular weight, highly cationic liquid polyDADMAC coagulant that effectively replaces, or significantly reduces, the need for primary inorganic metal salts in water or waste treatment. It is effective over the pH range of 1 to 12.

Typical Product Characteristics

App:.....Straw Colored Viscous Liquid
 S.G. at 25°C.....1.03 – 1.05
 Viscosity as 25°C.....200 – 600 cps
 pH of 1.0% Solution at 25°C.....5.0 – 7.0
 Solubility in Water.....Infinite
 Freeze Point.....27°F (-3°C)
 Shelf Life at 25°C.....1 Year

SAFETY & HANDLING:

WT-1625 should be stored in a heated building, 5° - 35°C (40° - 95°F). 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 are to be avoided in both storage and feed equipment. Spills should be wiped up with an absorbent material and then washed down with water. Toxicity is low, but normal precautionary clothing should be worn when handling this material. For additional information, see relevant Material Safety Data Sheet.

ADVANTAGES:

- Reduces need of inorganic metal salts
- Effective over wide pH range
- NSF approved for potable water

GENERAL APPLICATIONS:

WT-1625 is used as a primary coagulant in all types of solid-liquid separation processes for clarification in water and waste treatment and mineral processing applications. It is effective in clarification of low turbidity, highly colored waters and can be used alone or in conjunction with an organic polymer flocculant. It is approved by NSF for use in potable water at dosages up to 50 ppm.

The following dosages are recommended:

Water & Waste Treatment	
Settling/Clarification:	0.2 to 3 ppm
Thickening/Dewatering:	1.0 to 10 ppm
Filtration:	0.1 to 0.5 ppm
Minerals Processing	
Settling/Thickening:	0.05 to 1 lbs/ton
Dewatering:	0.5 to 5 lbs/ton

Solutions of WT-1625 can be fed directly to the system using in-line dilution with water to 1% or less. Use of a corrosion resistant pump is recommended. Addition should be made at a point of high turbulence for rapid mixing followed by maximum contact time before settling.

PACKAGING:

WT-1625 is shipped in 55 gallon non-returnable steel drums at 450 pounds net; in non-returnable liqui-bins at 2300 pounds net; or in bulk.

