

WATER SPECIALISTS TECHNOLOGIES LLC

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F-6 COAGULANT

F-6 is a very low molecular weight, coagulant product with a very high degree of cationic charge. It is supplied as a solution of polymer in water. F-2 reacts readily in its diluted form to provide superior coagulation and performance in a variety of solids/liquid separation processes.

PRINCIPAL USES:

F-6 has been designed as a coagulant and is particularly effective for clarification and for sludge conditioning in municipal and industrial waste treatment operations. It has been proven especially effective for processes where enhanced sedimentation or filtration is necessary or where a reduction of turbidity, color, BOD/COD or similar pollutants is necessary. The appropriate WST flocculant used in conjunction with F-6 will generally further enhance solid/liquid separation rates.

F-6 offers greatly improved solids/liquid separation efficiencies over a wide range of pH. It is available in 5 gallon and 55 gallon drums; and 275 gallon IBC/totes.

PHYSICAL DATA:

Appearance:	clear, near colorless liquid
Odor:	light amine
Specific Gravity:	1.14 - 1.18
pH	5 – 7

HANDLING AND STORAGE:

Product should be stored in a cool place, and conditions of extreme temperatures should be avoided. Packages should be kept sealed when not in use. The product as supplied should be stable under normal conditions (40-85F) for at least 24 months. Working solutions greater than 1% can be stored for 2-5 days, whereas, solutions less than 1% should be prepared fresh after 1-2 days.

DOSAGE AND FEEDING:

A stock solution of up to 1% concentration (as is) may be prepared by adding F-6 to the appropriate quantity of agitated water. Subsequent dilution to 0.1 to 0.02% should improve performance in most cases. An in-line dilution is satisfactory.