

WATER SPECIALISTS TECHNOLOGIES LLC

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C-117 COAGULANT

C-117 is a liquid cationic coagulant that can effectively replace inorganic coagulants like alum, ferric chloride, etc. in the clarification of raw water and waste water. It is also effective as a oil/water emulsion breaker.

ADVANTAGES

- * Economical
- * Effective at low dosages
- * Performs well in a wide pH range
- * Assists in dewatering sludge
- * Reduces sludge volume
- * Easy to feed and handle
- * Eliminates alum or iron

TYPICAL PROPERTIES

Appearance	Light greenish blue
Specific gravity	1.29 – 1.31
Boiling point	212° F (100°C)
pH	1.9 – 2.2
Shelf Life	1 year

APPLICATION

C-117 can be fed neat without premixing or predilution. It should be fed using a corrosion resistant, positive displacement pump. Best results are obtained by dispersing the feed stream and promoting high turbulence for rapid mixing beyond the addition point. Feeding recommendations tailored to your location can be obtained from your Water Specialists Technologies sales representative.

TYPICAL TREATMENT LEVEL

* Raw surface waters	10 - 75 ppm
* Municipal sewage	50 - 200 ppm
* Industrial waste water	50 - 500 ppm

Handling and Storage

C-117 should be stored in glass, plastic, or epoxy-lined vessels. Do not use iron, copper, or aluminum in storage vessels or feed systems. Do not permit product to freeze. Store in protected areas. Spills can be readily removed with copious amounts of water.

Shipping

C-117 is available in 5-gallon pails, 55-gallon plastic drums, 275-gallon IBC/totes, and bulk.

Health and Safety

Before handling this material, read the corresponding Material Safety Data Sheet for safety, health and environmental data.

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