



2612 S. Greeley St., Milwaukee WI 53207 P (414) 486-0528 F (414) 486-0529

AC 190 Cationic Coagulant

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Distributor:

Advanced Chemical Systems
2612 S. Greeley Street
Milwaukee, WI 53207
Phone: (414) 486-0528
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Emergency Phone:
Infotrac: **1-800-535-5053**

Date Updated: 12/04
Preparer: C. Fox

Description: AC 190 is an aqueous high charge density inorganic cationic coagulant. The product is designed for use in both industrial and municipal wastewater treatment applications to improve the efficiency of liquid/solid separation processes.

AC 190 is unique in its ability to reduce hexavalent chrome (Cr^{+6}) to trivalent chrome (Cr^{+3}). It is effective as a primary coagulant in removing metals, improving effluent clarity and enhancing sludge dewatering. AC 190 can be used alone or in conjunction with one of the ACS Series of flocculants.

Physical Data:	Appearance:	green-yellow
	pH (neat):	2.0
	Specific gravity (@25°C):	1.24– 1.40
	Boiling Point:	>212°F
	Odor:	slightly iron, acid

Feed Rate: AC 190 feed rates will range from 100 to 5,000 ppm. To obtain a more accurate determination of usage rates, consult your Advanced Chemical System's Sales Consultant.

Feed Method: AC 190 can be fed neat directly from the shipping container into an area with good mixing. The product should be fed through an appropriately sized chemical feed pump with suitable materials of construction including; Polyethylene, Polypropylene, PVC, Teflon, Kynar or Polystyrene. **Stainless steel and carbon steel are not recommended.**

Packaging: AC 190 is available in 55-gallon drums, totes and bulk.

Handling: Do not take internally. In case of contact with skin, flush promptly and thoroughly with clear water for 15 minutes. Should be handled as any highly acidic materials. Rubber gloves and apron are recommended when handling this material.

Storage: Store away from heat, strong alkalis and alkali metals. Keep containers closed and dry. Protect containers from physical damage.

IMPORTANT: Read and follow carefully all directions supplied by Advanced Chemical Systems. Advanced Chemical Systems warrants that this material is reasonably fit for the purposes stated in our literature when used in accordance with our written and verbal directions. Under no circumstances shall Advanced Chemical Systems be liable for incidental consequential or other damages from alleged negligence, breach of warranty, strict liability or any other theory arising out of the use or handling of this product. Neither this warranty nor any other warranty of merchant or fitness of purpose, neither express or implied, extends to the use of this material contrary to our directions, or under conditions not reasonably foreseeable by Advanced Chemical Systems.