



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

ACP 191 Cationic Coagulant

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Distributor:

Advanced Chemical Systems
2612 S. Greeley Street
Milwaukee, WI 53207
Phone: (414) 486-0528
Fax: (414) 486-0529

Emergency Phone:
Infotrac: **1-800-535-5053**

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Preparer: C. Fox

Description: ACP 191 is an aqueous high charge density inorganic/organic cationic coagulant blend. The product is designed for use in both industrial and municipal wastewater treatment applications.

ACP 191 is effective in treating metal finishing wastes containing heavy metals and printing waste containing water based inks. It is especially good at removing hexavalent chrome (Cr^{+6}) and copper (Cu^{+2}). ACP 191 provides effluent clarity and improves the dewatering characteristics of most sludge. ACP 191 can be used alone or in conjunction with one of the ACS Series of flocculants.

Physical Data: Appearance:	dark green-yellow
pH (neat):	1-2
Specific gravity (@25°C):	1.3-1.4
Density (lbs/gal):	11.0
Odor:	slight acid

Feed Rate: ACP 191 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: ACP 191 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:** ACP 191 is available in 55-gallon drums, 275 and 330-gallon totes.
- Storage:** ACP 191 should be stored away from heat, strong alkalis and alkali metals. Keep containers closed and dry. Protect containers from physical damage.
- Spills:** ACP 191 should be contained and disposed of in accordance with local regulations.
- Safety:** ACP 191 should be handled as any highly acidic materials. Safety goggles, rubber gloves and apron are recommended. In case of contact with skin, flush promptly and thoroughly with clear water for 15 minutes.

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.