



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

## AN 190 Cationic Coagulant/Metal Precipitant

### 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**  
  
Date Updated: 03/06  
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**Description:** AN 190 is an all-in-one coagulant/metal precipitant technology. The product has been formulated for use in the corrugated/printing industry to treat “water based” inks that may contain one or more of the following contaminants; ink wash solutions, ink solids, pigments, dyes and heavy metals.

AN 190 is especially good at treating inks containing copper  $\text{Cu}^{+2}$ . It is also effective at removing hexavalent chrome  $\text{Cr}^{+6}$  and other heavy metals that are lightly complexed. AN 190 may be used alone or in conjunction with the ACS Series of flocculants.

<b>Physical Data:</b> Appearance:	dark green-yellow
pH (neat):	1-2
Specific gravity (@25°C):	1.30-1.35
Density (lbs/gal):	11.0
Odor:	slight acid

**Feed Rate:** AN 190 feed rates range from 100 to 1500 ppm. To obtain a more accurate determination of usage rates, consult your Advanced Chemical System’s Sales Consultant.

**Feed Method:** AN 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:** AN 190 is available in 5-gallon pails, 55-gallon drums, 275 and 330-gallon totes.
- Storage:** AN 190 should be stored away from heat, strong alkalis and alkali metals. Keep containers closed and dry. Protect containers from physical damage.
- Spills:** AN 190 should be contained and disposed of in accordance with local regulations.
- Safety:** AN 190 should be handled as any 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.