



9640 South 60<sup>th</sup> Street, Franklin WI 53132 P (414) 235-3246 F (414) 235-3179

## ACP 157 Cationic Coagulant

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

**Distributor:**

Advanced Chemical Systems  
2640 South 60<sup>th</sup> St.  
Franklin, WI 53132

Phone: (414) 235- 3261

Fax: (414) 235- 3179

**Emergency Phone:**

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

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Preparer: R. Benson

**Description:** ACP 157 is a liquid iron ( $\text{Fe}^{+3}$ ) and calcium based aqueous high charge density inorganic/organic coagulant blend. The product is designed for use in both industrial and municipal wastewater treatment applications to improve the efficiency of liquid/solid separation processes.

ACP 157 performs well as a primary coagulant over a broad range of treatment applications. When extra weight is needed ACP 157 is known for its ability to increase hardness and aid in settling/dewatering solids. This product is effective at removing oil and grease because of its pH characteristics. ACP 157 is also particularly effective at reducing phosphate when used in conjunction with a lime slurry product (such as BF90C). ACP 157 can be used alone or in conjunction with one of the ACS Series of flocculants.

<b>Physical Data:</b> Appearance:	Orange-Brown Liquid
pH (neat):	< 2
Specific gravity (@25°C):	1.26 – 1.30
Density (lbs/gal):	Apx. 10.4
Odor:	Slight iron/acid

**Feed Rate:** ACP 157 feed rates will range from 100 to 25,000 ppm. To obtain a more accurate determination of usage rates, consult your Advanced Chemical System's Sales Consultant.

**Feed Method:** ACP 157 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 157 is available in 55-gallon drums, 275 and 330-gallon totes.
- Storage:** ACP 157 should be stored away from heat, strong alkalis and alkali metals. Keep containers closed and dry. Protect containers from physical damage.
- Spills:** ACP 157 should be contained and disposed of in accordance with local regulations. CAUTION: Spills of this material can be slippery.
- Safety:** ACP 157 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. **NO NOT INDUCE VOMITING.**

**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.