



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

## AC 21 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**  
  
Date Updated: 12/04  
Preparer: C. Fox

**Description:** AC 21 is a liquid aluminum based inorganic cationic coagulant. The product is designed for use in a variety of industrial and municipal wastewater treatment applications.

AC 21 is a very cost effective primary coagulant for use in liquid/solid separation. It is especially effective at removing Zinc and Phosphorus in metal finishing applications. AC 21 can be used alone or in conjunction with one of the ACS Series of flocculants, such as AP 720 to enhance floc size, density and sedimentation.

<b>Physical Data:</b>	Appearance:	colorless to light yellow, liquid
	pH (neat) :	2.0 – 3.0
	Form:	Liquid
	Specific gravity (@25°C):	1.28 –1.30
	Density (lbs/gal):	10.7
	Solubility in water:	Complete

**Feed Rate:** AC 21 feed rates will range from 100 to 40,000 ppm. For more accurate determination of usage rates, consult your ACS Sales consultant.

**Feed Method:** AC 21 is fed directly from the shipping container into an area with good mixing. The pump head, tubing and fittings should be made of appropriate materials of construction including; polyethylene, polypropylene, PVC, Teflon, Kynar or polystyrene. **Stainless steel and carbon steel are not recommended.**

**Packaging:** AC 21 is available in 55-gallon drums, 330 gallon Totes and bulk quantities.

**Storage:** Storage for more than six months is not recommended. AC 21 should be stored at moderate temperatures (60° - 85°F). If frozen, thaw completely and mix thoroughly prior to use.

**Handling:** Should be handled as any acidic material. Rubber gloves and apron are recommended when handling this material

**First Aid:** Flush eyes 15 minutes with water. Flush skin with water and remove contaminated clothing. Do not take internally. DO NOT INDUCE VOMITING.

**Note: For additional information see MSDS**

**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.