



## Hyper+Ion<sup>®</sup> 1000 PRODUCT DATA SHEET

### CHARACTERISTICS

Hyper+Ion<sup>®</sup> 1000 is a colorless to yellow colored liquid. It is an advanced cationic coagulant and flocculant suitable for industrial and municipal water and wastewater treatment applications.

### NSF/ANSI Standard 60: Drinking Water Chemicals - Health Effects; Certified

### TYPICAL PROPERTIES

Formula:	Aluminum chloride solution	
C.A.S.	7446-70-0 (Aluminum chloride)	
	pH (neat)	< 1
	Specific Gravity @ 70°F (21°C)	1.27 - 1.29
	Freezing Point (approx.)	-22°F (-30°C)
	Density, lbs/gal., U.S.	10.6 - 10.8
	Aluminum as Al, %	5.5 - 5.7
	Aluminum as Al <sub>2</sub> O <sub>3</sub> , %	10.4 - 10.8
	Aluminum as AlCl <sub>3</sub> , %	27.2 - 28.3

### PRODUCT USES

Municipal and industrial water and wastewater treatment for the removal of turbidity, color, suspended solids and phosphorus. Sludge compaction and volume reduction. Lagoon treatment. Oily wastewater clarification and dissolved air flotation. Emulsion breaking. Paper machine pitch control.

### SHIPPING CONTAINERS

Bulk transport	Bulk car
275 gal. one way container	55 gal. plastic drum

### SHIPPING REGULATIONS

DOT Classification: Aluminum Chloride Solution		
Hazard Class: 8	DOT ID Number: UN 2581	Packing Group: III
RQ: Not Applicable		

### PRODUCT SAFETY INFORMATION

Hyper+Ion<sup>®</sup> 1000 can cause irritation and possibly burns to the skin and eyes. Avoid contact with skin, eyes and clothing. Anyone procuring, using or disposing of these products or their containers must be familiar with the appropriate safety and handling precautions. Such information may be found in the **Material Safety Data Sheets (MSDS)** for these products or you may contact General Chemical, LLC Technical Service. In the event of an emergency with these products, call the 24 hour **Emergency Number: (Chemtrec) 800-424-9300**. For additional information contact:

Syracuse Technical Center  
(315) 478-2323  
(800) 255-7589 Outside NY

Water Chemicals Group  
(973) 515-0900  
(800) 631-8050 Customer Service