



## Liquid Ferric Chloride PRODUCT DATA SHEET

### CHARACTERISTICS

Liquid Ferric Chloride is a reddish brown 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:	Ferric chloride solution	
C.A.S.	7705-08-0 (Ferric chloride)	
	pH (neat)	less than 2
	Specific Gravity @ 70°F (21°C)	1.38 - 1.44
	Freezing Point	-13°F (-25°C) (approx.)
	Density, lbs/gal., U.S.	11.5 - 12.0
	Soluble Ferric Iron as FeCl <sub>3</sub> , %	38 - 42
	Soluble Ferric Iron as Fe <sup>+3</sup> , %	13.1 - 14.5
	Free Acid, % as HCl	less than 5

### PRODUCT USES

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

### SHIPPING CONTAINERS

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

### SHIPPING REGULATIONS

DOT Classification: Ferric Chloride Solution		
Hazard Class: 8	DOT ID Number: UN 2582	Packing Group: III
Ferric Chloride: RQ = 1000 Lbs. (CASRN formula basis)		

### PRODUCT SAFETY INFORMATION

Liquid Ferric Chloride may cause eye irritation. Harmful if inhaled. Harmful or may be fatal if swallowed. 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 Technical Service. In the event of an emergency with these products, call the 24 hour **Emergency Number: USA (CHEMTREC) 800-424-9300** or **Canada (CANUTEC) 613-996-6666**. 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