california water technologies LLC
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Liquid Ferric Chloride
Drinking Water Grade

Description

California Water Technologies Liquid Ferric Chloride is a concentrated solution of Iron III Chloride ($FeCl_3$) in water. It is manufactured from high purity raw materials.

Principal Uses

Potable water treatment

- Turbidity reduction
- Color elimination
- Enhanced coagulation, NOM and DBP precursor removal
- Softening solids sedimentation
- Lead control through a wide pH application range
- Sludge reduction
- Filter conditioning
- Arsenic Removal

Wastewater treatment

- Phosphate precipitation and removal
- Enhanced sedimentation
- Dewatering of all types of sludge streams
- Polymer flocculant enhancement
- Sulfide based odor elimination
- Struvite control

Appearance:	A dark red/brown liquid Specifications
Concentrations:	
$FeCl_3$	39% - 44%
$FeCl_2$	0.75% maximum
Free Acid as HCl	1.0% maximum Drinking Water Grade
Insolubles	0.008% (80 ppm) maximum
Radionuclides	None
Specific gravity:	1.40 – 1.47
Viscosity:	12.1 centipoises for a 40% solution
Crystallization:	39% $FeCl_3$ (4°F); 44% $FeCl_3$ (45°F)
ANSI/NSF Standard 60 Certified:	Maximum use level – 250 ppm as solution
CAS No.:	7705-08-0
UN Classification:	UN2582, Ferric Chloride Solution
	SQC data available on request

Shipping containers: ***Manufacturing Location***

55 gallon drums
Tank Trucks

Santa Fe Springs, California

Handling & Safety

Ferric Chloride is considered to be hazardous by definition of the Hazard Communication Standard (29 CFR 1910.1200) and should be handled in a manner that is consistent with acceptable practices. Please obtain the Ferric Chloride Material Safety Data Sheet for complete up-to-date information.

Under normal situations the only protective equipment required in the use of Liquid Ferric Chloride are splash proof chemical goggles and rubber gloves. Liquid Ferric Chloride will stain both clothing and skin and it is recommended that, to protect against this occurrence, other protective clothing be worn as is appropriate.

Ferric Chloride reacts strongly with many metals. However, most handling situations are reliably addressed through the use of common compatible plastic materials such as FRP, PVC, Polyethylene, Polypropylene and Teflon. For additional information consult your equipment supplier.

For additional information and to place orders call: 866-337-7427

California Water Technologies
Serving The Water and Wastewater Industry