



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 ( $\text{FeCl}_3$ ) 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
- Membrane pre-treatment
- 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

<b>Appearance:</b>	A dark red/brown liquid Specifications
<b>Concentrations:</b>	
$\text{FeCl}_3$	39% - 44%
$\text{FeCl}_2$	0.75% maximum
Free Acid as HCl	1.0% maximum Drinking Water Grade
Insolubles	0.008% (80 ppm) maximum
Radionuclides	None
<b>Specific gravity:</b>	1.40 – 1.47
<b>Viscosity:</b>	12.1 centipoises for a 40% solution
<b>Crystallization:</b>	39% $\text{FeCl}_3$ (4°F); 44% $\text{FeCl}_3$ (45°F)
<b>ANSI/NSF Standard 60 Certified:</b>	Maximum use level – 250 ppm as solution
<b>CAS No.:</b>	7705-08-0
<b>UN Classification:</b>	UN2582, Ferric Chloride Solution SQC data available on request

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***Shipping containers:***

55 gallon drums  
Tank Trucks

***Manufacturing Location***

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***

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