



california **water** technologies LLC

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## Liquid Ferrous Chloride

CALIFORNIA WATER Technologies Liquid Ferrous Chloride is a concentrated solution of Iron II Chloride ( $\text{FeCl}_2$ ) in water. Produced from high purity raw materials it is the result of the dissolution of Iron Oxide and Iron in Hydrochloric Acid.

### *Principal Uses in Wastewater Treatment*

- Phosphate Precipitation and Removal
- Elimination of Sulfide Based Odors
- Reduction of Arsenic and Mercury
- Hexavalent Chrome Reduction
- Struvite Control
- pH Adjustment

***For Additional Information or to Place Orders Call: 866-337-7427***

### **Specifications**

<b>Appearance:</b>	A clear green to hazel colored solution
<b>Concentrations:</b>	
FeCl <sub>2</sub>	16% to 37%, as required
Free Acid as HCl	4.0% maximum
Insolubles	0.5% maximum
<b>Specific gravity:</b>	1.14 to 1.33
<b>Crystallization:</b>	15.0% FeCl <sub>2</sub> - 9°C; 30.4% FeCl <sub>2</sub> - 37° C; 37.0% FeCl <sub>2</sub> - 12° C
<b>CAS No.:</b>	7758-94-3
<b>UN Classification:</b>	Corrosive; NA1760; Ferrous Chloride Solution SQC data available on request

***Shipping containers:***

55 gallon drums  
4000 gallon tank trucks

***Shipping Points***

Santa Fe Springs, CA

***Handling & Safety***

Ferrous 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 Ferrous Chloride Material Safety Data Sheet for complete up-to-date information.

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

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

***CALIFORNIA WATER Technologies***  
***Serving Water and Wastewater Plants throughout***  
***the World***

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