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Liquid Ferrous Chloride Product Data Sheet

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Description

Penccco's Ferrous Chloride is a clear green aqueous solution of soluble ferrous iron, manufactured to strict specifications from high quality raw materials. Penccco's unique manufacturing process renders a superior Ferrous Chloride that is stable at concentrations up to 36%. Penccco's Ferrous Chloride has a low free acid content.

Application

Ferrous Chloride is manufactured for both municipal and industrial water treatment. Ferrous Chloride is very cost effective and widely used for odor, corrosion, and H₂S control in municipal waste water systems. Ferrous Chloride is also used for hexavalent chrome reduction, phosphorous removal, and as a flocculation aid. It is also effective at removing metals, especially arsenic and selenium.

Typical Analysis

Concentration (%FeCl ₂).....	22 – 36%
Concentration (%Fe ⁺²).....	10-15%
Specific Gravity.....	1.2 – 1.4
Free Acid.....	<0.5%
pH.....	<2.0
Appearance.....	Green/Hazel color
Freezing Point.....	<32°F

Health and Safety

Ferrous Chloride can cause irritation and burns to the skin and eyes. Ensure that individuals handling Ferrous Chloride have been fully trained regarding the MSDS, along with PPE requirements and specific operational procedures. In the event of an emergency, call 24 hr. CHEMTREC: 800-424-9300.

Certifications

Ferrous Chloride is NSF/ANSI Standard 60 certified for use in potable water treatment and also meets or exceeds all AWWA standards.

Product Handling and Shipping

Ferrous Chloride is shipped in railcars, tank trucks, totes, and drums. Suitable materials of construction include fiberglass, PVC, polypropylene, polyethylene, and Teflon. It is not compatible with most metals. It can be used with diaphragm metering pumps, providing the materials of construction are compatible. No dilution or preparation necessary.

DOT Classification: Ferrous Chloride, Solution

Hazard Class: 8 DOT ID Number: UN 1760 Packing Group: II

RQ = 100 Lbs.

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