

PRODUCT IDENTIFICATION

**Product Name:** Ferric Chloride 30%**CAS Number:** 7705-08-0**Molecular Formula:** Cl_3Fe **Molecular Weight:** 162.20 g/mol**Grade:** Technical**Purity / Concentration:** 30%**Synonyms:** Not Available

PRODUCT OVERVIEW

Ferric Chloride 30% is a high-performance technical grade solution designed for industrial applications requiring consistent chemical reactivity. This dark brown liquid is widely utilized for its effective coagulation and etching properties in various processing environments.

Grade Significance: Technical grade indicates that this product is formulated for industrial efficiency and cost-effectiveness, meeting the performance requirements for most standard processing applications.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Dark brown liquid	Form	Liquid
Boiling Point	280°C (pure)	Melting / Freezing Point	37°C (pure)
Specific Gravity	1.31	Solubility	Highly soluble in water
Molecular Formula	Cl_3Fe	Molecular Weight	162.20 g/mol

APPLICATIONS

- Water Treatment** — It acts as a primary coagulant to effectively remove suspended solids and impurities from municipal and industrial wastewater streams.
- Electronics Manufacturing** — The solution is frequently used as an etchant for printed circuit boards, providing precise copper removal during the fabrication process.
- Industrial Metal Finishing** — It serves as a reliable pickling agent for steel surfaces, helping to remove oxides and prepare metal for subsequent coatings or treatments.
- Chemical Synthesis** — Ferric Chloride functions as a versatile Lewis acid catalyst in various organic synthesis reactions within laboratory and industrial settings.

STORAGE & HANDLING

Proper storage is critical because Ferric Chloride is highly corrosive and can cause severe skin burns and eye damage. It must be kept in compatible, corrosion-resistant containers to prevent structural failure of storage vessels and ensure operator safety.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: Danger



Hazard Statements:

- H302 (96.6%): Harmful if swallowed [Warning Acute toxicity, oral]
- H314 (75.4%): Causes severe skin burns and eye damage [Danger Skin corrosion/irritation]
- H315 (24.4%): Causes skin irritation [Warning Skin corrosion/irritation]
- H318 (24.5%): Causes serious eye damage [Danger Serious eye damage/eye irritation]
- H412 (72.4%): Harmful to aquatic life with long lasting effects [Hazardous to the aquatic environment, long-term hazard]

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

Disclaimer: The information contained herein is believed to be accurate and represents the best information currently available to us. However, Alliance Chemical makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.