

## Ferric Chloride

415 is a ready to use copper etchant solution for printed circuit board and photoengraving processes. Ferric chloride etching can be done on a variety of metals.

### Features & Benefits

- More aggressive than persulphate alternative
- Can be stored and reused
- Ready-to-use without dilution
- Used for etching damascus steel knives and jewelry
- RoHS Compliant
- No-VOC

### Available Packaging

Cat. No.	Packaging	Net Vol.
415-500ML	Bottle	475 mL
415-1L	Bottle	945 mL
415-4L	Jug	4 L

### Storage and Handling

Store between 16 and 27 °C in a dry area, away from sunlight. Store in plastic container. Do NOT store in metal containers. (see SDS).

### Contact Information

MG Chemicals, 1210 Corporate Drive  
Burlington, Ontario, Canada L7L 5R6

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

Phone: North America: +(1)800-340-0772

International: +(1) 905-331-1396

Europe: +(44)1663 362888



### Properties

Color	Dark red-brown
Odor	Slight iron/acidic
Solubility in Water	Soluble
Evaporation Rate	>1 (ButAc=1)
pH	<2
Density	0.79 g/mL
Boiling Point	110 °C
Crystallization @ -26 °C	37 % FeCl <sub>3</sub>
@ -12 °C	40 % FeCl <sub>3</sub>

### Disclaimer

This information is believed to be accurate. It is intended for professional end-users who have the skills required to evaluate and use the data properly. M.G. Chemicals Ltd. does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.