

## BUNGARD LIQUID FERRIC CHLORIDE (1L)



SKU: 101366A



### FERRIC CHLORIDE 40% SOLUTION

**Bungard ferric chloride: 40% liquid solution in 1 litre bottle.**

The solution has more than 50 g/l copper capacity and etching rates of about 30 down to 10  $\mu\text{m}/\text{minute}$ .

Performance will be best at about 40-50°C, but (other than sodium persulfate), etching can be done even at room temperature. Ferric chloride tends to deposit a mud of copper chloride. This can be overcome by adding small portions of **hydrochloric acid** to the used (never to the fresh!) liquid.

**You can dilute** the 40% liquid solution with 450ml water per litre down to 30%.

With Bungard tests the fastest etching rate was achieved with a 30% solution.

**Different sizes** are available on request.

*PRODUCT IDENTIFIER IN THE SAFETY DATA SHEET:*

**Ferric-III-chloride solution 40%**

*LABEL ELEMENTS:*

*Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.*

*Hazard pictograms:*



*Danger. May be corrosive to metals.  
Causes serious eye damage. Causes skin irritation.*

*Precautionary statement(s): Wear protective gloves / protective clothing / eye protection / face protection - Keep only in original container - Wash thoroughly after handling - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell - If skin irritation occurs: Get medical advice/attention - IF ON SKIN: Wash with plenty of soap and water.*

*Contains: Iron trichloride.*

*Nominal quantity: 1000ml.*

*DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:*

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