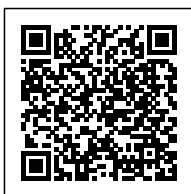


## BUNGARD LIQUID FERRIC CHLORIDE (1L)



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:*

**Iron trichloride 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. Harmful if swallowed. Causes skin irritation. Causes serious eye damage.*

*Precautionary statements: 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 / doctor if you feel unwell - If skin irritation occurs: Get medical advice / attention - IF ON SKIN: Wash with plenty of water.*

*Contains: Iron trichloride.*

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

**Bungard Elektronik GmbH & Co. KG** – Rilkestraße 1, D-51570 Windeck – Germany

Tel. +49 6131/19240 – [info@bungard.de](mailto:info@bungard.de).