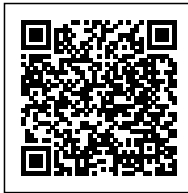


BUNGARD LIQUID FERRIC CHLORIDE (1L)



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:

Bungard Elektronik GmbH & Co. KG – Rilkestraße 1, D-51570 Windeck – Germany - Tel. +49 6131/19240 – info@bungard.de.