

PROCIRC RGA

Etch Oxidant

INTRODUCTION

Procirc RGA Etch Oxidant is a liquid additive used for the regeneration of cupric and ferric etches. The etchant is monitored for oxidation potential and Procirc RGA added to maintain the desired level. This extends the yield and gives consistent performance.

BENEFITS

- Regenerates etch.
- Enables consistent etch performance.
- Improved safety over chlorine and peroxide.

OPERATING DATA

As a guide typical parameters of etches are:

Cupric Chloride	
ORP	470 – 520mV
Copper metal	100 – 200g/L
Acidity	1 – 5N
Temperature	45 – 55°C
Etch rate	40µm/min

Ferric Chloride for Copper Etching	
Bé	42
Copper	75 – 90g/L
Temperature	45 – 55°C
Etch Rate	40µm/min

MAINTENANCE AND CONTROL

Procirc RGA should be added at a maximum rate of 1ml/min per litre of etchant to maintain the required ORP.

DISPOSAL

Dispose of in accordance with local authority requirements. Spent etchants may be sent for metal recovery.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Procirc RGA (25L)	921001
Procirc RGA (200L)	921002
Procirc RGA (1000L IBC)	921003
Procirc RGA 40 (25L)	921004
Procirc RGA 40 (200L)	921006

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