

PROCIRC 9400

Resist Stripper

INTRODUCTION

Procirc 9400 Resist Stripper is an aqueous solution specifically formulated to remove alkali soluble dry films used in the manufacture of printed circuit boards. It contains powerful penetrants in order to achieve a fast and complete strip even in areas of overplate

BENEFITS

- Fast removal of dry film photo resists
- Clean copper finish
- No attack of plated tin-lead
- High capacity giving long bath life

SOLUTION MAKE -UP

Procirc 9400 Resist Stripper 2-10% v/v with water

NB. During the use of Procirc 9400 Resist Stripper in spray applications, the use of an antifoam may be required.

Foam can be controlled using Procirc Antifoams, contact PMD Chemicals Ltd. for further information.

OPERATING DATA

Concentration	2 - 10% v/v in water
Temperature	45 – 55°C
Agitation	Preferred but not essential
Extraction	Essential

EQUIPMENT

Tanks	Stainless steel, polypropylene or unplasticised PVC.
Heaters	Teflon coated, titanium, PTFE, Stainless Steel,
Filtration	Rotary drum, bag or hydrocyclone recommended.



INSTALLATION

It is essential that the tanks to be used for Procirc 9400 Resist Stripper are thoroughly cleaned and leached before any product is introduced.

If in any doubt as to the cleaning procedure please contact PMD Technical Department.

1. Fill the clean empty tank with the appropriate volume of water.
2. Add the required volume of Procirc 9400 Resist Stripper and mix thoroughly.
3. Heat to operating temperature.

MAINTENANCE AND CONTROL

The solution should be analysed regularly and replenished as necessary.
(See analysis method).

Evaporation losses should be replaced with water.

Concentration losses should be replaced with Procirc 9400 Resist Stripper.

ANALYSIS METHOD

Reagents

1.0 N hydrochloric acid (standard volumetric solution).
Phenolphthalein indicator.

Method

1. Pipette 20 ml working solution into a 250 ml conical flask.
2. Add approximately 50 ml water and mix thoroughly.
3. Add 2 - 3 drops phenolphthalein indicator and mix thoroughly.
4. Titrate with 1.0N hydrochloric acid to colourless end-point.
5. Record titre = t ml.

Calculation

$t \times 0.48 = \% \text{ concentration Procirc 9400 Resist Stripper.}$

Replenishment

For every 1% drop in concentration add 10 ml/l Procirc 9400 Resist Stripper.

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Procirc 9400 Resist Stripper	945006

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