PROCIRC 9452

Resist Stripper

INTRODUCTION

Procirc 9452 Resist Stripper is an advanced formulation specially designed for the removal of dry film photoresists in dip and spray applications leaving a clean copper finish.

BENEFITS

- Clean copper finish.
- Controlled resist breakdown giving consistent particle size.
- No attack on tin/lead.
- Handles difficult CAD board designs.

SOLUTION MAKE -UP

Procirc 9452 Resist Stripper 5-10% v/v nominal with water.

NB During the use of Procirc 9452 Resist Stripper in spray applications the use of an antifoam may be required.

Foam can be controlled using Procirc antifoams. Contact PMD Technical Department for further information.

OPERATING DATA

Concentration	5 – 10% v/v nominal
Temperature	45 – 55°C
Time	Dependant on film type, typically less than 90 secs
Agitation	Preferred but not essential
Extraction	Recommended

NB. Operating temperature and concentration will be determined by film type being stripped and customer requirements. Contact PMD Technical Department for advice.

EQUIPMENT

Tanks	Stainless steel, titanium, polypropylene, polyethylene or unplasticised PVC.
Heaters	Teflon coated, titanium, PTFE, stainless steel all with thermostatic control.
Filtration	Rotary drum, bag or hydrocyclone recommended.

INSTALLATION

It is essential that the tanks to be used for Procirc 9452 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 amount of Procirc 9452 Resist Stripper and mix thoroughly.
3. Heat to operating temperature.

PROCESS SEQUENCE

1. Resist strip in Procirc 9452 Resist Stripper.
2. Rinse.
3. Rinse.
4. Continue dependent upon application.

MAINTENANCE AND CONTROL

The solution should be analysed regularly and replenished as necessary.

(See analysis methods).

Evaporation losses should be replaced with water.

Concentration losses should be replaced with Procirc 9452 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 deionised 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 x 0.80 = % concentration Procirc 9452 Resist Stripper.

Replenishment

For every 1% drop in concentration add 10 ml/l Procirc 9452 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 9452 Resist Stripper	945003

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