



PROCIRC SP239

Resist Stripper

INTRODUCTION

Procirc SP239 Resist Stripper has been developed for the rapid removal of dry film photoresists in dip or spray applications to leave a clean copper surface.

BENEFITS

- Clean copper surface for A O I.
- Does not contain glycol ethers or inorganic alkalis.
- Rapid removal of dry film photoresists.
- No activation or attack of the tin/lead.

SOLUTION MAKE -UP

Procirc SP239 Resist Stripper 10% v/v nominal with water.

NB During the use of Procirc SP239 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	10% v/v nominal
Temperature	45 -55°
Time Typical values	Spray 40 – 90 sec Dip 1 – 3 mins
Agitation	Preferred but not essential
Extraction	Recommended

NB Operating temperatures and concentrations 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 SP239 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 SP239 Resist Stripper and mix thoroughly.
3. Heat to operating temperature.

PROCESS SEQUENCE

1. Resist strip in Procirc SP239 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 SP239 Resist Stripper.

ANALYSIS METHOD

Reagents

1.0 N hydrochloric acid (standard volumetric solution).

Phenolphthalein indicator.

Method

1. Pipette 20ml working solution into a 250ml conical flask.
2. Add approximately 50ml 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 mls.

Calculation

$t \times 0.85 = \% \text{ concentration Procirc SP239 Resist Stripper.}$

Replenishment

For every 1% drop in concentration add 10 ml/l Procirc SP239 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 SP239 Resist Stripper 25L	945002
Procirc SP239 Resist Stripper 200L	945018

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