

PMD (UK) LTD PROCESS DATA

PMD (UK) Ltd, Broad Lane, Coventry, CV5 7AY, England. Telephone 024 7646 6691 Fax 024 7647 3034
Web Site: www.pmdgroup.co.uk Email: sales@pmdgroup.co.uk

MFS1108-01/03
ISSUE 1
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MFS 1108 **RESIST STRIPPER**

INTRODUCTION

MFS 1108 Resist Stripper has been specifically formulated to remove alkali soluble dry films from heavily plated areas with fine tracks and gaps. It contains powerful penetrants in order to achieve a fast and complete strip.

BENEFITS

Fast removal of photo resist

Excellent stripping from fine track and gaps

Clean copper finish

High capacity giving long bath life

SOLUTION MAKE-UP

MFS 1108 Resist Stripper

10% v/v with water

NB. During the use of MFS 1108 Resist Stripper in spray applications, the use of an antifoam may be required.

Foam can be controlled using Procirc or MFS Antifoams, contact PMD (UK) Ltd. for further information.

OPERATING DATA

Concentration	10% v/v in water
Temperature	45-50°C
Agitation	Preferred but not essential
Extraction	Recommended

MFS1108-01/03
ISSUE 1

EQUIPMENT

Tanks	Stainless steel, polypropylene 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 MFS 1108 Resist Stripper are thoroughly cleaned and leached before any product is introduced.

If in any doubt as to the cleaning procedure please contact PMD (UK) Limited Technical Department.

1. Fill the clean empty tank with the appropriate volume of water.
2. Add the required volume of MFS 1108 Resist Stripper and mix thoroughly.
3. Heat to operating temperature.

PROCESS SEQUENCE

1. Resist Strip in MFS 1108 Resist Stripper.
2. Rinse.
3. Rinse.
4. Continue dependant 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 MFS 1108 Resist Stripper.

**MFS1108-01/03
ISSUE 1**

ANALYSIS METHODS

Reagents

1 N hydrochloric acid (standard volumetric solution)
Methyl Red Indicator

Method

1. Pipette 10ml working solution into a 250ml conical flask.
2. Add approximately 50ml DI water.
3. Add 6-8 drops Methyl Red Indicator solution.
4. Titrate with 1N hydrochloric acid to a red end point.
5. Record titre = t mls

Calculation

$t \times 0.76 = \% \text{ concentration MFS 1108 Resist Stripper}$

Replenishment

For every 1% drop in concentration add 10ml/L MFS 1108 Resist Stripper.

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

<u>Product Name</u>	<u>Product Number</u>
MFS 1108 Resist Stripper	945043

Whilst every endeavour has been made to ensure that the information given in this data sheet is correct, PMD (UK) gives no warranty, express or implied, relating to the use or performance of this product.