

PMD (UK) LTD PROCESS DATA

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MFS 1320 **CLEANER/ACTIVATOR**

INTRODUCTION

MFS 1320 Cleaner/Activator is a concentrated acid cleaner which has been developed to clean, de-oxidise and activate metal surfaces such as stainless steel, titanium and copper alloys. MFS 1320 is ideally suited for use prior to lamination of dry film photo resist.

BENEFITS

- Fast removal of oxides.
- High detergency for excellent cleaning.
- Free rinsing.
- Concentrate - economical.

SOLUTION MAKE-UP

MFS 1320 Cleaner/Activator 10-30% v/v with water.

OPERATING DATA

Concentration	10-30%
Temperature	15-40°C
Time	3-5 mins
Agitation	Not essential
Extraction	Recommended

EQUIPMENT

Tanks	Polypropylene, Polyethylene, Unplasticised PVC.
Heaters	Teflon coated or PTFE.

If in any doubt as to the compatibility of equipment contact PMD (UK) Limited Technical Department.

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INSTALLATION

It is essential that the tanks to be used for MFS 1320 Cleaner/Activator are cleaned and leached thoroughly before any product is added.

The final leach should be performed using a 10% v/v solution of Hydrochloric Acid (36%) and should be held in the tank for a minimum of 12 hours at approximately 40°C.

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

1. Fill the clean empty tank with the appropriate amount of water.
2. Add the MFS 1320 Cleaner/Activator and mix thoroughly.
3. Heat to operating temperature.

PROCESS SEQUENCE

1. Clean in MFS 1320 Cleaner/Activator.
2. Rinse.
3. Rinse.
4. Continue dependent upon application.

MAINTENANCE AND CONTROL

Evaporation losses should be replaced using water.

Replace bath when cleaning times become excessive.

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DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products or product families are referred to in this data sheet.

<u>Product Name</u>	<u>Product Number</u>
MFS 1320 Cleaner/Activator	917032

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