

# 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

**MFS1201-01/03**  
**ISSUE 1**  
**PREV 0298**

## **MFS 1201** **SOLDER CONDITIONER**

### **INTRODUCTION**

MFS 1201 Solder Conditioner is a high performance conditioner for tin-lead, designed to prepare the tin-lead surface for reflow.

### **BENEFITS**

Removes etch residues and oxidation completely ensuring bright even fusing.

Long life gives high area throughput.

Non fluoborate.

Supplied as a concentrate for economical use.

Spray or immersion application.

### **SOLUTION MAKE-UP**

MFS 1201 Solder Conditioner

50% v/v with water

### **OPERATING DATA**

Temperature	30 - 40 deg C.
Time	0.5-5 mins
Agitation	Recommended
Extraction	Recommended.

### **EQUIPMENT**

Tanks	Polypropylene, polyethylene or PVC
Heaters	PTFE, Teflon coated immersion heaters with thermostatic control

**MFS1201-01/03**  
**ISSUE 1**

## **INSTALLATION**

It is essential that the tanks to be used for MFS 1201 Solder Conditioner 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. Add the required volume of MFS 1201 Solder Conditioner to the clean empty tank.
2. Add the required volume of water and mix thoroughly.
3. Heat to operating temperature.

## **PROCESS SEQUENCE**

1. Condition using MFS 1201 Solder Conditioner
2. Rinse
3. Rinse
4. Dry
5. Either IR Reflow using Procirc 9902 IR Flux or Hot Oil Reflow using Procirc 9991 Hot Oil Flux or MFS 1260 Hot Oil Reflow Flux followed by Procirc 9990 Hot Oil, MFS 1290 Reflow / HASL Oil or MFS 1295 Reflow / HASL Oil

## **MAINTENANCE AND CONTROL**

Drag out losses should be replaced with a 50% solution of MFS 1201 Solder Conditioner.

The solution should be discarded and a new one prepared when treatment is no longer effective.

---

## **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 1201 Solder Conditioner	987030
Procirc 9991 Hot Oil Flux	994003
MFS 1260 Hot Oil Reflow Flux	997045
Procirc 9990 Hot Oil	994004
MFS 1290 Reflow / HASL Oil	994020
MFS 1295 Reflow / HASL Oil	994021

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.