

# PMD (UK) LTD PROCESS DATA

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## PROCIRC 9363 TIN-LEAD STRIPPER

### INTRODUCTION

Procirc 9363 Tin-Lead Stripper is a single stage, non-sludging, non-peroxide, fluoborate free stripper for use in the printed circuit industry. It is specially formulated for fast removal of plated tin or tin-lead.

### BENEFITS

High speed stripping action.

No fluorides or peroxides present for safe operation in most types of equipment.

Non sludging up to 150 g/l tin-lead for ease of operation and reduced jet blocking.

Bright copper finish with minimal etch.

Exotherm minimal.

Bleed and feed system for continuous operation.

### SOLUTION MAKE-UP

Procirc 9363 Tin-Lead Stripper is supplied ready for use.

### OPERATING DATA

|                |                           |
|----------------|---------------------------|
| Temperature    | 25 - 35 deg C.            |
| Time           | 20 - 120 seconds.         |
| Stripping Rate | 20 - 40 micron/min spray. |
| Extraction     | Recommended.              |

## **EQUIPMENT**

|         |   |
|---------|---|
| Tanks   | Polypropylene, Polyethylene, PVC (Unplasticised).<br><br>NB Nylon parts are <u>not</u> recommended. |
| Heaters | PTFE or titanium.   |

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

## **INSTALLATION**

It is essential that the tanks to be used for Procirc 9363 Tin-Lead Stripper are cleaned and leached thoroughly before any stripper is added. Contact PMD (UK) Limited Technical Department for appropriate procedure.

1. Fill the clean, empty tank with Procirc 9363 Tin-Lead Stripper to operating volume.
2. Heat to operating temperature.

## **PROCESS SEQUENCE**

1. Tin-lead strip.
2. Water rinse.
3. Water rinse.
4. Dry.

## **MAINTENANCE AND CONTROL**

Replace drag-out losses with fresh Procirc 9363 Tin-Lead Stripper.

Change solution when stripping speed becomes unacceptable.

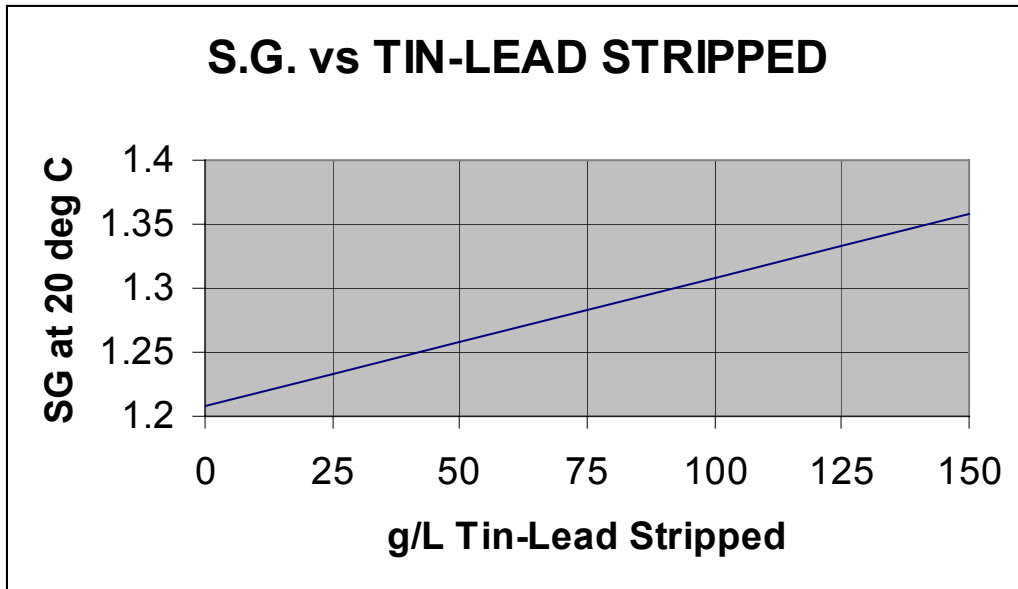
Feed and bleed can be used to control optimum stripping requirements. See analysis method.

## **THROUGHPUT**

Under optimum operating conditions typically achievable figures are 2.7 m<sup>2</sup> (27 - 28 ft<sup>2</sup>) of 6 micron plated tin-lead per litre Procirc 9363 Tin-Lead Stripper.

## **ANALYSIS METHODS**

Simple S.G. determination will indicate dissolution of tin-leads (see graph).



Replenishment, if necessary, is to within an established S.G. based on requirements. (Note. S.G. at 30°C will be approximately 0.006 lower than at 20°C for the same g/L tin-lead stripped).

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## **DISPOSAL**

Dispose of in accordance with local authority requirements.

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## **PRODUCT FAMILIES**

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

| <u>Product Name</u>            | <u>Product Number</u> |
|--------------------------------|-----------------------|
| Procirc 9363 Tin-Lead Stripper | 937023                |

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