

# **PROCIRC 9364**

## **TWO STAGE TIN-LEAD STRIPPER**

### **CONCENTRATE**

#### **INTRODUCTION**

Procirc 9364 Two Stage Tin-Lead Stripper Concentrate is a specially formulated concentrate which can be used for both 1<sup>st</sup> and 2<sup>nd</sup> stage tin-lead stripping applications. The process is unique in its versatility allowing adaptation into any process line.

Please contact your PMD Technical Sales Representative for advice on the process for your needs.

#### **BENEFITS**

Concentrated make-up for both 1<sup>st</sup> and 2<sup>nd</sup> stage tin-lead stripping.

High speed stripping action.

Totally compatible system – eliminates rinsing between 1<sup>st</sup> and 2<sup>nd</sup> stage.

No fluorides or peroxides present.

Non sludging up to 160 g/l tin-lead.

Extremely low etch rates on copper.

Minimal exotherm.

Bleed and feed for continuous operation.

## SOLUTION MAKE-UP

1 <sup>st</sup> Stage	2 <sup>nd</sup> Stage
80-100% v/v Procirc 9364 Two Stage Tin-Lead Stripper Concentrate	50% v/v Procirc 9364 Two Stage Tin-Lead Stripper Concentrate
Balance DI water	10-20% v/v Procirc 9365 Tin-Lead Stripper Additive
	Balance DI water

## OPERATING DATA

	1 <sup>st</sup> Stage	2 <sup>nd</sup> Stage
Temperature (°C)	20-30	25-35
Time (seconds)	10-30	10-60
Stripping rate: Micron/min spray Micron/min dip	30-40 20-30	
Agitation	Work movement recommended for dip use	Work movement recommended for dip use
Extraction	Recommended	Recommended

## EQUIPMENT

Tanks Polypropylene, Polyethylene, PVC  
(unplasticised).

NB Nylon parts are not recommended.

Heaters PTFE or titanium.

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

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## INSTALLATION

It is essential that the tanks to be used for Procirc 9364 Two Stage Tin-Lead Stripper Concentrate 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 the appropriate amount of DI water.
2. Add appropriate amount of Procirc 9364 Two Stage Tin-Lead Stripper Concentrate for 1<sup>st</sup> and 2<sup>nd</sup> stage respectively. For 2<sup>nd</sup> stage, add appropriate amount of Procirc 9365 Tin-Lead Stripper Additive.
3. Heat to operating temperature.

## **PROCESS SEQUENCE**

1. Procirc 9364 Tin-Lead Stripper – 1<sup>st</sup> stage.
2. Procirc 9364 Tin-Lead Stripper/Procirc 9365 Tin-Lead Stripper Additive – 2<sup>nd</sup> stage.
3. Water rinse.
4. Water rinse.
5. Dry.

## **MAINTENANCE AND CONTROL**

### First Stage

Autodose using a panel counter, and also SG control to maintain steady state operation. Only concentrated Procirc 9364 Two Stage Tin-Lead Stripper Concentrate should be used for auto dosing.

### Second Stage

Is replenished from drag in of the first stage process. The process should be changed when the copper content exceeds 10 g/L.

## **ANALYSIS METHODS**

Simple SG determination of 1<sup>st</sup> stage will indicate dissolution of tin-lead.

Replenishment, if necessary, is to within an established SG based on requirements.

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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 9364 Two Stage Tin-Lead Stripper Concentrate	937025
Procirc 9365 Tin-Lead Stripper Additive	937026

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