

PROCIRC 9002

ALKALI CLEANER

INTRODUCTION

Procirc 9002 Alkali Cleaner is a highly effective cleaner which exhibits a powerful cleaning and degreasing action, removing finger-prints and general soils from copper.

Procirc 9002 Alkali Cleaner is suitable for spray applications.

BENEFITS

Excellent cleaning.

Low foam, suitable for spray applications.

Economical to use.

SOLUTION MAKE-UP

Procirc 9002 Alkali Cleaner	25 - 75 g/l Optimum 50 g/l
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OPERATING DATA

Temperature	20 - 50 deg C
Time	30 seconds - 2 minutes
Agitation	Recommended
Extraction	Recommended

EQUIPMENT

Tanks	Stainless Steel, Polypropylene, Polyethylene, Unplasticised PVC, Titanium.
Heaters	Teflon coated, PTFE, Stainless Steel, Titanium all with thermostatic control.

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

ISSUE 3

INSTALLATION

The equipment to be used for Procirc 9002 Alkali Cleaner should be cleaned and leached thoroughly before any product is added.

The final leach should be performed using a 1% w/v solution of sodium hydroxide and should be held in the tank for a minimum of 12 hours at working temperature.

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

1. Half fill the clean empty tank with water.
2. Slowly add the correct amount of Procirc 9002 Alkali Cleaner while stirring to dissolve.
3. Make up to working volume with water.
4. Heat to operating temperature.

PROCESS SEQUENCE

1. Clean in Procirc 9002 Alkali Cleaner.
2. Rinse.
3. Rinse.
4. Continue dependent upon application.

MAINTENANCE AND CONTROL

The solution should be regularly analysed and replenished as necessary.

Evaporation losses should be replaced using water.

Concentration losses should be replaced with Procirc 9002 Alkali Cleaner.

THROUGHPUT

Under optimum processing conditions, approximately 50ft² laminate per litre of working solution can be expected.

ANALYSIS METHOD

Procirc 9002 Alkali Cleaner Concentration

Reagents

1.0N Hydrochloric Acid (Standard Volumetric Solution).
Methyl Red Indicator.

ANALYSIS METHOD CONTINUED

Method

1. Pipette 25 ml of working solution into a 250 ml conical flask.
2. Add approximately 50 ml water and mix thoroughly..
3. Add 2 - 3 drops of methyl red indicator and mix thoroughly.
4. Titrate with 1.0N Hydrochloric Acid to a red end point.
5. Record titre = t mls.

Calculation

$t \times 2.17 = \text{g/l Procirc 9002 Alkali Cleaner.}$

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>
Procirc 9002 Alkali Cleaner	906002

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