

PROCIRC 9001

ALKALI CLEANER

INTRODUCTION

Procirc 9001 Alkali Cleaner is a highly effective immersion cleaner which exhibits a powerful cleaning and degreasing action, removing finger-prints and general soils from copper.

BENEFITS

High detergency for excellent cleaning.

Economical to use.

Alkaline process can assist in removal of organic residues.

SOLUTION MAKE-UP

Procirc 9001 Alkali Cleaner	10 - 60 g/l Optimum 40 g/l
-----------------------------	-------------------------------

OPERATING DATA

Temperature	20 - 50 deg C
Time	2 - 5 minutes
Agitation	Not Essential
Extraction	Recommended

EQUIPMENT

Tanks	Stainless Steel, Polypropylene, Polyethylene, Unplasticised PVC, Titanium.
-------	--

Heaters	PTFE, Stainless Steel, Teflon Coated, Titanium all with thermostatic control.
---------	---

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

INSTALLATION

The tanks to be used for Procirc 9001 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 caustic soda and should be held in the tank for at least 12 hours at operating temperature.

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

1. Fill the clean tank with 3/4 of the required volume of water.
2. Slowly add the correct amount of Procirc 9001 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 9001 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 9001 Alkali Cleaner.

ANALYSIS METHODS

Procirc 9001 Alkali Cleaner Concentration

Reagents

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

Method

1. Pipette 25.0 ml of working solution into a 250 ml conical flask.
2. Add approximately 50 ml of water and mix thoroughly.
3. Add 2 - 3 drops of methyl red indicator and mix thoroughly.
4. Titrate with 1.0 N Hydrochloric Acid to a red end-point.
5. Record titre = t mls.

Calculation

$t \times 3.65 = \text{g/l Procirc 9001 Alkali Cleaner.}$

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 9001 Alkali Cleaner	906001

Whilst 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.