



ALKALINE CLEANER 45

INTRODUCTION

Alkaline cleaner 45 is a highly alkaline cleaner designed to remove a variety of soils from ferrous and non-ferrous materials. It can be used as a soak and/or electro cleaner and is suitable for both rack and barrel.

BENEFITS

- Soak/Electro Cleaner.
- Easily rinsed.

SOLUTION MAKE -UP

Alkaline Cleaner 45 40-80g/L Optimum 50g/L

OPERATING DATA

Concentration	40 – 80g/L
Temperature	50 – 85°C
Treatment Time	30 seconds – 5 minutes
Current Density	2.5 – 10 A/dm ²

EQUIPMENT

Tanks	Mild or stainless steel or other materials suitable for use with alkaline solutions.
Heaters	PTFE, stainless steel or mild steel immersion heaters or steam coils.

INSTALLATION

It is essential that the tanks to be used for Alkaline Cleaner 45 are thoroughly cleaned and leached before any product is introduced.

If in any doubt as to the cleaning procedure please contact PMD Technical Department.

1. Fill the tank $\frac{3}{4}$ full with water.
2. Add the required amount of Alkaline Cleaner 45 and stir to fully dissolve.
3. Top up to final level with water and heat to operating temperature.



MAINTENANCE AND CONTROL

The solution should be analysed regularly and replenished as necessary. (See analysis method).

The volume of the solution should be maintained regularly by the addition of water. It is recommended that automatic level controllers are fitted to the tank to ensure constant solution concentration and protect heaters.

The solution should be discarded and a fresh one made-up when the solution is so loaded with absorbed soils that replenishment has no effect on cleaning time.

ANALYSIS METHOD

Reagents

1N sulphuric acid (Standard volumetric solution)

Phenolphthalein indicator

Method

1. Pipette a 25ml aliquot of the cooled working solution into a 250ml conical flask.
2. Add 50ml DI water and a few drops of phenolphthalein indicator.
3. Titrate to a clear end point with 1N sulphuric acid.
4. Record titre = t mls

Calculation

$t \times 2.4 = \text{g/L Alkaline Cleaner 45}$

Replenishment

For every 1g/L low add 1g/L Alkaline Cleaner 45

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Alkaline Cleaner 45	206040

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