



ALKALINE CLEANER HD

INTRODUCTION

Alkaline Cleaner HD is a heavy duty soak/electro cleaner for the removal of oils, grease and lanolin. Alkaline Cleaner HD is suitable for both rack and barrel operations and for ferrous and non-ferrous metals.

BENEFITS

- Excellent cleaning.
- Easily rinsed.

SOLUTION MAKE -UP

Alkaline Cleaner HD 10 to 50g/L

OPERATING DATA

Concentration	10 – 50g/L
Temperature	65 – 95°C
Treatment Time	30 seconds – 5 minutes
Current Density	1 – 4 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 HD are thoroughly cleaned and leached before any product is introduced.

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

Fill the tank $\frac{3}{4}$ full with water.

1. Add the required amount of Alkaline Cleaner HD and stir to fully dissolve.
2. 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)

Methyl orange indicator

Method

Pipette a 25ml aliquot of the cooled working solution into a 250ml conical flask.

1. Add 50ml DI water and a few drops of methyl orange indicator.
2. Titrate to a pink end point with 1N sulphuric acid.
3. Record titre = t mls.

Calculation

$t \times 2.66 = \text{g/L Alkaline Cleaner HD}$

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 HD	206041

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