

# ALKALINE CLEANER LF

## DUAL PURPOSE CLEANER

## INTRODUCTION

Alkaline Cleaner LF is a low foaming, heavy duty soak/electrocleaner for the removal of oils, grease and lanolin. Alkaline Cleaner LF is suitable for both rack and barrel operations and for ferrous and non-ferrous metals.

## BENEFITS

- Excellent cleaning
- Easily rinsed
- Low foam
- Contains mild complexor

## SOLUTION MAKE-UP

Alkaline Cleaner LF                                  10 – 50 g/L

## OPERATING DATA

Concentration	10 – 50 g/L
Temperature	150 – 200°F
Treatment Time	30 seconds – 5 minutes
Current Density	10 – 40 ASF

Manufactured for North America exclusively by **FOCUSTECH™**



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# EQUIPMENT

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

## INSTALLATION

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

If there is any doubt as to the cleaning procedure please contact Automated Chemical Solutions.

1. Add water to  $\frac{3}{4}$  tank volume.
2. Add the required amount of Alkaline Cleaner LF and stir to fully dissolve.
3. Add to level with water, mix and heat to operating temperature.

## MAINTENANCE AND CONTROL

The solution should be analyzed 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.

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# ANALYSIS METHOD

## Reagents

1. 1.0N sulfuric acid
2. Methyl orange indicator

## Method

1. Pipette a 25 ml sample of cooled working solution into a 250 ml Erlenmeyer flask.
2. Add 50 ml DI water.
3. Add a few drops of methyl orange indicator.
4. Titrate to a pink end point with 1.0N sulfuric acid.

## Calculation

Alkaline Cleaner LF (g/L) = mls of 1.0N sulfuric acid X 2.72

## Replenishment

For every 1g/L low add 1 g/L Alkaline Cleaner LF.

# STORAGE

Store in original containers above 40 °F.

# SAFETY

CAUTION! Alkaline Cleaner LF concentrates and working solutions contain strong alkaline ingredients. Avoid contact with eyes, skin and clothing. Wear chemical handler's gloves, goggles and protective clothing when handling. Read and understand Material Safety Data Sheet before using this product.

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# PRODUCT GROUPS

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
Alkaline Cleaner LF	206039

## NOTICE

The information and recommendations of PMD (UK), Ltd. and Automated Chemical Solutions, Inc., and its representatives, regarding this product are, to the best of our knowledge, true and accurate. We make no guarantee of results because the conditions of actual use are beyond our control. We assume no liability for damages or penalties resulting from the use of this product or following our recommendations. Our recommendations and suggestions for use of this product are not intended to grant license to operate under or infringe any patent.

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