

PMD (UK) LTD PROCESS DATA

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BOS – 10/02
ISSUE 1
PREV

PMD CLEANER BOS

INTRODUCTION

PMD Cleaner BOS is a highly effective alkaline soak cleaner which will remove a wide variety of soils including mineral oils, greases, machine oils and lanolin from ferrous and non-ferrous metals.

BENEFITS

Suitable for rack and barrel operation

Versatile - ferrous and non-ferrous metals can be cleaned

Economical - long life and effective cleaning

SOLUTION MAKE-UP

PMD Cleaner BOS 20 – 50g/L

OPERATING DATA

Concentration	20 - 50g/L
Temperature	40 - 70 deg C
Treatment Time	As required
Agitation	Mild agitation is useful to ensure thorough cleaning.

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.

**BOS – 10/02
ISSUE 1**

INSTALLATION

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

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

1. $\frac{3}{4}$ fill tank with water
2. Add the required weight of PMD Cleaner BOS with stirring to dissolve
3. Make up to final volume with water
4. Heat to operating temperature

MAINTENANCE

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 analysed regularly and replenished as necessary. (See analysis method).

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 hydrochloric acid
Methyl red indicator (dissolve 0.04 g in 100 ml of 20% methanol).

Method

1. Pipette a 25.0ml sample of cooled working solution into a 250ml conical flask.
2. Dilute to 100ml with de-ionised water and add 2-3 drops of methyl red indicator.
3. Titrate with 1N hydrochloric acid to a red end point.
4. Record titre = t mls.

Calculation

$t \times 3.4 = \text{g/l PMD Cleaner BOS.}$

Replenishment

For every 1g/L required add 1g/L PMD Cleaner BOS

**BOS – 10/02
ISSUE 1**

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products or families of products are referred to in this data sheet.

<u>Product Name</u>	<u>Product Number</u>
PMD Cleaner BOS	206032

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