



ECONOCLENSE NS

Soak cleaner

INTRODUCTION

Econoclense NS 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 metals and copper alloys. Its cleaning action is so powerful that pre-cleaning in chlorinated solvents can be eliminated.

BENEFITS

- Elimination of chlorinated solvents.
- Suitable for rack and barrel operation.
- Versatile – can be used on ferrous metals and copper alloys.
- Economical - long life and effective cleaning.
- Emulsifies and saponifies oils to prevent oil flotation.

SOLUTION MAKE -UP

Econoclense NS

25 - 100 g/L depending on soils.

OPERATING DATA

Concentration	25 – 100g/L
Temperature	50 – 90°C
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.

INSTALLATION

It is essential that the tanks to be used for Econoclense NS 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. $\frac{3}{4}$ fill tank with water
2. Add the required weight of Econoclense NS with stirring to dissolve
3. Make up to final volume with water
4. Heat to operating temperature

MAINTENANCE AND CONTROL

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

1 N 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 1 N hydrochloric acid to a red end point.
4. Record titre = t mls

Calculation

$t \times 2.75 = \text{g/L Econoclense NS}$

Replenishment

For every 1g/L required add 1g/L Econoclense NS

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
Econoclense NS	206026

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