

ECONOCLENSE LN

Liquid cleaner

INTRODUCTION

Econoclense LN is a concentrated liquid cleaner for ferrous and non-ferrous metals. It can be used in immersion and ultrasonic operations. Ideal for the removal of polishing and grinding compounds.

BENEFITS

- Suitable for all materials.
- Excellent degreasing properties.
- Removes polishing and grinding compounds.
- Leaves hydrophobic layer giving temporary corrosion protection.

SOLUTION MAKE -UP

Econoclense LN 50 - 250 ml/L depending on application

It is essential that the tanks to be used for Econoclense LN 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 the tank with water.
2. Add the required volume of Econoclense LN.
3. Make up to final volume with water and mix well.
4. Heat to operating temperature.

OPERATING DATA

	Immersion	Ultrasonic
Concentration	50 – 250 ml/L	50 – 1000 ml/L
Temperature	40 – 80°C	40 – 80°C
Time	3 – 15 mins	3 – 15 mins

EQUIPMENT

Tanks	stainless steel. Polypropylene or PVC lined tanks.
Heaters	PTFE, stainless steel or steam coils.



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

0.1N hydrochloric acid

Methyl orange indicator

Method

1. Pipette a 25ml sample of cooled working solution into a 250ml conical flask.
2. Add 100ml de-ionised water and 2-3 drops of methyl orange indicator.
3. Titrate with 0.1N hydrochloric acid to a pink end point.
4. Record titre = t mls.

Calculation

$t \times 40 = \text{ml/l Econoclense LN}$

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 LN	205008

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