ECONOCLENSE L

Liquid alkaline cleaner

INTRODUCTION

Econoclense L is a highly concentrated, low foaming, liquid alkaline cleaner for ferrous and non-ferrous metals. It can be used in spray, power wash, immersion or electrolytic operations. The cleaning action of Econoclense L is so powerful that pre-cleaning in chlorinated solvents can be eliminated.

BENEFITS

- Elimination of chlorinated solvents.
- Versatility - rack or barrel, spray, immersion or electrolytic on ferrous and non-ferrous metals.
- Economical - long life and effective cleaning.
- Emulsifies and saponifies oils to prevent oil flotation.

SOLUTION MAKE -UP

Econoclense L	10 - 150 ml/L depending on application

OPERATING DATA

	Spray or Power Wash	Immersion	Electrolytic
Concentration	10 – 30 ml/L	50 – 150 ml/L	50-150ml/L
Temperature	40 – 80°C	40 – 80°C	40 – 80°C
Time	0.5 – 3 mins	2 – 5 mins	1 – 5 mins
Current Density			
(Ferrous, Anodic)	-	-	2.5 – 10A/dm²
(Non-ferrous, cathodic)	-	-	5.0 – 7.5 A/dm²

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 L 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. ¾ fill the tank with water and heat to 60°C.
2. Add the required volume of Econoclense L.
3. Make up to final volume with water and mix well.
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

1N hydrochloric acid

Methyl orange indicator

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 orange indicator.
3. Titrate with 1N hydrochloric acid to a pink end point.
4. Record titre = t mls.

Calculation

t x 5.7 = ml/l PMD Econoclense L

Replenishment

For every 1ml/L required add 1ml/L Econoclense L.

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 L	205002

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