

ECONOCLENSE

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

OPERATING DATA

Concentration
Temperature
Time
Agitation

EQUIPMENT

Tanks
Heaters
25 - 100 g/l depending on soils.
25 - 100g/L
50 - 90 deg C
As required.
Mild agitation is useful to ensure thorough cleaning.
Mild or stainless steel or other materials suitable for use with alkaline solutions.
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 Crownhill Associates Ltd Technical Department.

1. % 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

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

$t \times 2.75 = g/L$ Econoclense NS.

Replenishment

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

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

Product Name Econoclense

Product Number QF1982

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