



CLEANER HSW

INTRODUCTION

Cleaner HSW has been formulated to clean ferrous and nonferrous metals in reel to reel and high speed soak cleaning applications.

Cleaner HSW is a highly concentrated blend of alkali salts formulated to give deoxidising and degreasing properties without the need for surfactants or wetting agents.

This non-foaming soak cleaner is extremely useful where rinsing or solution drag over is possible.

BENEFITS

- Excellent cleaning.
- Easily rinsed.
- Oil floatation

SOLUTION MAKE -UP

Cleaner HSW 75 to 100g/L

It is essential that the tanks to be used for Cleaner HSW 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. Fill the tank $\frac{3}{4}$ full with water.
2. Add the required amount of Cleaner HSW and stir to fully dissolve.
3. Top up to final level with water and heat to operating temperature.

OPERATING DATA

Concentration	75 -100 g/L
Temperature	50 – 60°C
Treatment Time	15 sec – 5 minutes

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.

MAINTENANCE AND CONTROL

The concentration can be determined by analysis

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 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 sulphuric acid (Standard volumetric solution)
Methyl orange indicator

Method

1. Pipette a 10ml aliquot of the cooled working solution into a 250ml conical flask.
2. Add 50ml DI water and a few drops of methyl orange indicator.
3. Titrate to an orange end point with 1N sulphuric acid.
4. Record titre = t mls.

Calculation

$t \times 6.85 = \text{g/L Cleaner HSW}$

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
Cleaner HSW	206038

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