

# METAL CLEANER 146L

## HEAVY DUTY SOAK CLEANER

### 1. INTRODUCTION

**Metal Cleaner 146L** is a liquid concentrate used to produce a heavy duty, high efficiency soak cleaner for steel.

The high efficiency and excellent emulsifying properties of **Metal Cleaner 146L** make it suitable for every application, particularly on the most heavily soiled parts, in either rack or barrel applications.

Being a liquid product, **Metal Cleaner 146L** is easily handled and can be added directly to a hot tank without the risk of "boil-over" occurring.

### 2. OPERATING CONDITIONS

Concentration	8-20% by volume
Temperature	50-90°C
Agitation	Mechanical or mild air
Tanks and heaters	Mild Steel

The concentration and temperature to each specific application should be determined. The exact concentration and temperature required will depend on the time available and the type of soil to be removed.

Operating solutions of **Metal Cleaner 146L** are prepared by adding the required volume of **Metal Cleaner 146L** directly to a tank three-quarters full of water at operating temperature. The solution volume is adjusted to optimum and the temperature raised to the chosen operating level.

### 3. TEST METHOD

Pipette a 20 ml sample into a flask, add 5 drops of phenolphthalein indicator. Titrate to a colourless end point with 1N sulphuric acid. The number of mls of titrant x 1.3 equals the % v/v of **Metal Cleaner 146L**.

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**4. CAUTION**

**Metal Cleaner 146L** is strongly alkaline and can cause severe burns. Avoid contact with skin and eyes. In case of spillage, flush exposed areas with clean, cold water. In case of injury, consult a doctor.

**DISCLAIMER**

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