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# AUROMEX®

TECHNICAL

INSTRUCTIONS

DATA SHEETS

## **METROCLEAN MC 100** **PHOSPHATE – FREE ALKALINE SOAK CLEANER**

### **INTRODUCTION:**

**METROCLEAN MC 100** is a multi-purpose, high efficiency, phosphate-free alkaline soak cleaner designed for an endless variety of soils and metals. Its unique formulation prevents attack on all common metals except magnesium. Removal of common oils and greases, softening and removal of waxy drawing compounds and buffing residues, removal of sulphurized or chlorinated oils, and removal of residues from emulsion cleaners or films from other soak cleaners, are first a few of its capabilities.

METROCLEAN MC 100 is a 100% active, anhydrous alkaline cleaner. The complex synthetic detergent system has synergistic properties and is designed to produce a rapid cleaning action. Chelating agents are incorporated to give hard water stability. The emulsification system has an extremely high soil carrying capacity and at the same is formulated to produce very good free-rinsing characteristics.

### **PRODUCT FEATURES:**

- High rate of Emulsification.
- Phosphate free.
- Multi-purpose, removes oils, greases, waxes, buffering residues, emulsion films etc.
- Economy.
- Fully Biodegradable Surfactant System, reduces effluent control requirements.
- Free rinsing.

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**AUROMEX®**

CHEMICALS CORPORATION

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## **EQUIPMENT RECOMMENDATIONS:**

Mild steel tanks, heating coils, barrels and racks are satisfactory, as are alkali resistant plastic lined barrels and racks. Stainless steel and copper also safe for use with METROCLEAN. Brass is not recommended. Tank Ventilation should be provided to control caustic fumes from hot solutions.

## **OPERATION INSTRUCTIONS:**

### **Ferrous Metals**

Concentration	:	60 g/litre	( 50 – 75 g/l )
Temperature	:	80°C	( 70 – 95 °C )
Time	:	3 minutes	( 1 – 5 min. )

### **Non-Ferrous Metals**

Concentrate	:	50 g/litre	( 50 – 75 g/l )
Temperature	:	65°C	( 60 – 70 °C )
Time	:	5 minutes	( 3 – 5 min. )

## **SOLUTION CONTROL:**

Take a 5mls. sample of the Metroclean MC 100 solution, titrate with 0.5N Hydrochloric acid using Phenolphthalein as an indicator.

Grams Metroclean MC 100 per litre = 11.63 x mls HCL

## **PACKING:**

METROCLEAN MC 100 is a highly alkaline, packed in 30 Kilo net, non-returnable polyethylene lined bags.

## **WASTE DISPOSAL:**

METROCLEAN MC 100 solutions are alkaline, neutralize to pH 6 to 8 with an acid and discharge to sewer.

The acid must be added slowly and with caution, avoid eye or skin contact and wear protective clothing and safety goggles.