

INTRODUCTION

Metagrol HS is a highly alkaline metal degreasers used in removal of oil, grease and lubricants from the surface of ferrous components. It is used in hot immersion process only. Agitation of components can increase the efficiency of degreaser.

SPECIFICATION

Chemical Nomenclature	: Alkaline detergent
Appearance	: White powder
Solubility	: Readily soluble in water
pH Characteristic	: Alkaline
Stability	: Stable in closed and dry containers
Shelf Life	: One year from date of manufacturing.

OPERATION PARAMETER

Concentration	: 4 -7 % W / V of water
Temperature	: 60 -65 ° C
Immersion time	: 5- 10 Minutes

OPERATION PROCEDURE

- Prepare the bath by dissolving required quantity of Metagrol HS with water.
- Raise the bath temperature and Maintain at recommended range.
- Immerse the component until degreasing is accomplished completely.
- Rinse thoroughly with fresh water.

**CONTROL OF BATH**

The efficiency of bath can be controlled by periodically testing the sample of bath solution as below.

Titre 5 ml bath solution against 0.1N solution of Hydrochloric Acid with Phenolphthalein indicator.

The titre value must be 18 ml for the best working of bath. If the above value is lacking, add 0.4 Kgs of Metagrol HS / 100 litres of Solution, for every ml lacking in titre value.

EQUIPMENT

Mild steel tank of 5 -10 mm thick with heating facility from side by jacket is preferred. Heating by steam, thermic fluid or electric heating is also recommended.

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