

TECHNICAL DATA SHEET

PHOS-PREP® PP218 LOW TEMPERATURE HF METH PAINT STRIPPER

INTRODUCTION

PHOS-PREP® PP 218 is a cold immersion paint stripper which has been developed to overcome the problems associated with more stubborn coatings such as stoved enamel and epoxy polyester powder systems.

PHOS-PREP® PP 218 may be used on both ferrous and non ferrous metals, breaking down the coating with minimal attack on the base metal. Do not use on plastic, Ideal for jig stripping and rework reclamation where multicoated films encountered require this strong acid accelerator and penetrant blend, example alloy wheel refurbishment. Care should be taken when using the PHOS-PREP® PP 218 when in contact with skin please apply a calcium gluconate antidote cream to prevent active ingredients causing severe damage to skin tissue .

EQUIPMENT

The recommended material of construction for tanks and pipe-work is 316 stainless steel, mild steel or high density polypropylene may be suitable, provided there is no mechanical damage. Filtration should be installed to remove particulate matter stripped from the work. Use a removable wire mesh grill fitted below the work level. Removal of the stripped paint regularly will enhance the life of PHOS-PREP® PP 218.

PROCESS

PHOS-PREP® PP 218 is used as supplied and must not be diluted with water. Avoid water contamination of the bath as this will lead to corrosion of some of the metal substrates being stripped.

Use of PHOS-PREP® PP T SEAL oil seal (approx 5cm) is advised to prevent solvent loss from the working solution.

Immerse components in the PHOS-PREP® PP 218 and agitate to if possible to speed up the stripping process. Immerse until the coating has been removed or is sufficiently loose to be removed fully by high pressure rinsing.

Rinse components with water and dry, mild steel components may require immersion in PHOS-PREP® PP 973 to prevent oxidation.

PROCESS CONTROL

MAKE UP use as supplied

PHOS-PREP® PP 218 will evaporate a small amount of solvent; the operating strength of the PHOS-PREP® PP 218 may be reduced. This will require replenishment to add additional PHOS-PREP® PP 218 to restore the working bath to its original condition.

The Specific Gravity of the product should be maintained above 1.15 by additions of PHOS-PREP® PP 218.

PHOS-PREP® PP 218 has a control pointage of 25 on new solution, should this drop below 15 points, replenish with PHOS-PREP® PP 218, should the pointage not be able to be returned to 25 points at a Specific Gravity of 1.15 the PHOS-PREP® PP 218 should be discarded and replaced.

When testing the PHOS-PREP® PP 218 do not use glass ware use plastic equipment

LABORATORY TESTING

Solutions Required

Meta Cresol Purple Indicator (A)
IN Sodium Hydroxide Testing Solution (B)

The PHOS-PREP® PP 218 is measured as follows:

Take a 10ml sample of the bath solution (filtered). Add to this 100ml of deionized water and a few drops of indicator solution A. Titrate with testing solution B until colour changes from reddish purple to yellow and then blue. The number of ml of solution B required is known as the pointage of the solution.

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