

APPLICATION DATA SHEET

PHOS-PREP® PP SA DS PHOSPHATE ACIDIC DESCALER

GENERAL

PHOS-PREP® PP SA DS is an inhibited acidic de scale & cleaner system designed to aid the cleaning and removal of phosphate build up in pre treatment process equipment. Normally used to de scale when replacing process solutions or generally servicing pre treatment spray washing machines. PHOS-PREP® PP SA DS is inhibited to prevent acidic attack to mild steel equipment.

OPERATION

For the make up of a new bath, fill the tank two thirds full with water and add the required volume of PHOS-PREP® PP SA DS. The addition should be made slowly, as heat may be generated during the mixing of the acids with water.

The typical strength of a de scale solution is between 2 and 5% PHOS-PREP® PP SA DS.

PHOS-PREP® PP SA DS is used at temperatures between 40° C and 55°C, in spray systems or with air agitation to improve the efficiency of operation. The time of processing should be sufficient to aid loosening of the build up scale in the sump tank and washing unit spray pipes, normally between 1 and 4 hours in most cases. The PHOS-PREP® PP SA DS is very acidic, care must be taken when cleaning equipment manufactured from mild steel, when the phosphate scale is removed this may lead to leaks occurring in the sump tank area, due the age of the equipment being serviced. Systems manufactured from 316 Stainless Steel will not be affected by the PHOS-PREP® PP SA DS.

After treatment with the PHOS-PREP® PP SA DS, the solution should be neutralised with PHOS-PREP® PP Demin 1 to raise the pH of the solution to between pH 6 – pH 9. 25ltrs (for 2% SADS) to 60ltrs (for 5% SADS) of PHOS-PREP® PP Demin 1, will be required for every 1000 ltrs of PP SADS bath solution, the contents then may be discharged to the effluent system taking care to trap phosphate solids and dispose of as a solid waste

Once tank is empty extra cleaning may be required to remove stubborn deposits with a steam spray unit or continued water washing.

When the system is cleaned refill Sump tank with mains water, turn on sprays for 15 minutes, discharge contents to effluent system refill with water and commission with pre treatment process solutions. All tanks and pipe work for use with PHOS-PREP® PP SA DS should be constructed from stainless steel grade 316 or other acid resistant material.

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