



ABPHOS 200S

COMBINATION CLEANER/PHOSPHATE PROCESS

INTRODUCTION

ABPHOS 200S is a clear, light amber acidic liquid. The ABPHOS 200S process has been formulated to simultaneously degrease and phosphate mild steel components prior to painting operations. Applied by either spray or immersion techniques, ABPHOS 200S will produce lightweight coatings of amorphous iron phosphate conforming to the requirements of (a) EN 12476:2000 Type Fe p h and (b) D.E.F. Stan 03-11 Class IV specifications.

Zinc and aluminium components can also be satisfactorily processed, provided that they are in mixed metal production along with mild steel.

ABPHOS 200S is extremely low sludging and will produce coating weights in the range of 0.3 - 1.0g/square metre.

OPERATING INSTRUCTIONS

ABPHOS 200S is generally operated by spray techniques at a concentration of 2 - 3% (v/v), (7 to 10 points), and at a temperature of 55°C. However, depending upon specific conditions, ABPHOS 200S may be satisfactorily used within the following ranges:

Concentration	1 - 5% (3 - 16 points).
Temperature	35 - 65 °C.
Process Time	1 - 10 mins.

For immersion applications, operation at the higher end of the ranges is normally recommended.

EQUIPMENT

ABPHOS 200S may be used satisfactorily in mild steel equipment. However, because of its acidic nature, stainless steel, polypropylene or rubber lining is preferable.



MAINTENANCE

Whilst ABPHOS 200S produces very small amounts of sludge, it is necessary to periodically remove it, along with debris accumulated off the work. This can build up particularly on heating coils, spray jets etc where it may interfere with the performance of the system. Any floating oil or grease should likewise be skimmed off the surface.

ANALYTICAL CONTROL

The concentration of ABPHOS 200S in the working solution may be determined as follows:

Titrate 10ml of the solution with (N/10) sodium hydroxide, using phenolphthalein indicator, to a permanent pink colouration.

Titration (mls) x 0.31 = % (v/v) ABPHOS 200S.

HANDLING & SAFETY PRECAUTIONS

ABPHOS 200S is mildly acidic and mildly toxic. Avoid contact with eyes, skin and clothing. When handling, wear protective clothing including eye protection and rubber gloves. In case of contact with eyes, give prolonged irrigation with water. Seek medical attention without delay. After contact with the skin, remove all contaminated clothing, and wash the affected area with plenty of soap and water. Launder clothing before re-use.

For more comprehensive information consult the ABPHOS 200S Material Safety Data Sheet.

DISPOSAL

Dispose of in accordance with local authority requirements.

PRODUCT FAMILIES

The following products are referred to in this data sheet.

PRODUCT NAME	PRODUCT NUMBER
ABPHOS 200S	ABPHOS/200S/25LT

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