



ABPHOS 100S

COMBINATION CLEANER AND IRON PHOSPHATE

INTRODUCTION

ABPHOS 100S is a mildly acidic, free-flowing, white powder, readily soluble in water. ABPHOS 100S is designed to clean and phosphate in a single operation. It is ideally suited to surface preparation of iron, zinc and aluminium components, prior to painting and other organic coating applications. ABPHOS 100S will simultaneously remove grease and light oxide films, and deposit a highly adherent layer of amorphous iron phosphate. The resultant coating is grey to blue-iridescent in colour with a deposit weight of 40 – 80 milligrams per square foot (0.43 - 0.85 grammes per square metre). Developed primarily for spray and power wash applications, ABPHOS 100S may also be used by simple, immersion techniques.

OPERATION

ABPHOS 100S is normally operated (spray application) at 10 g/ litre (approx. 1.5 oz/gal), with an operating temperature of 60 °C (140°F). However, depending upon specific conditions, ABPHOS 100S may be satisfactorily used within the following ranges:

Concentration	6 - 30g/litre (approx 1 - 5oz/ gal)
Temperature	43 - 74°C (110 – 165°F)
Process Time	1 - 5 minutes

ABPHOS 100S is satisfactory for use in mild steel equipment.

ANALYTICAL CONTROL

The concentration of ABPHOS 100S in the working solution may be determined as follows:

Titrate a 10 ml sample of the solution with decinormal (N/10) sodium hydroxide using phenolphthalein indicator (end point is the first permanent pink coloration).

Each ml of N/10 sodium hydroxide required is equivalent to 1.39g/litre (0.22oz/ gal) of ABPHOS 100S.

SAFETY AND HANDLING PRECAUTIONS

ABPHOS 100S is mildly acidic and generally harmless. However, when handling, always wear protective clothing including eye protection and rubber gloves. In case of contact with eyes, irrigate with copious quantities of water. Seek medical attention without delay. After contact with skin, remove all



contaminated clothing, and wash the affected area with plenty of soap and water. For more information, consult the ABPHOS 100S 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 100S	ABPHOS/100S/25

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