

Description

Crest PPC-97 is a clear, green liquid compound developed to impart heavy manganese phosphate coatings on high carbon as well as hard alloy steels.

Crest PPC-97 coatings are ideal for impregnation with oils, drawing lubes, protection oils and to assist in break-in of bearing surfaces and thread couplings.

Advantages

- » Supplied in a concentrated liquid form.
- » Used at low concentrations.
- » Produces coating weights from 1600 to 5000 mg/ sq. ft.
- » Bath is easy to control and maintain.

Specifications

This product meets or exceeds all qualifications for the following:

- » DOD-P-16232F, Type M Classes 1, 2, 3, 4A, and 4B
- » MIL-P-50002B, Amend. 1, Type M
- » A-A-59267 Type M
- » Shell and Mobil Coating Specifications

Methods of Use

Application Methods

- » Immersion
- » Flood

Mixing Instructions

- » For each 100 gallons of desired solution, add 90 to 93 gallons of water then add 7 to 10 gallons of PPC-97. This will result in a 7 to 10% solution.
- » Heat the tank to 160°F for 2 hours, mix well then increase to the normal operating temperature.
- » For initial start-up of a new bath, add 3 pads of steel wool.

Adjustments

- » Higher coating requirements may require steel wool to be added to the tank. If this is the case, dissolve ½ pound steel wool per 100 gallons of solution when the tank is at or below 160°F. Use the Ferrous Iron Test to verify that the iron content of the bath is between 6 to 10 points.

Warranty and Liability Disclaimer

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience; however, since conditions of actual use are beyond our control, any recommendations, or suggestions, are made without warranty, expressed or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage or injury, direct or consequential, arising out of the use of this product.

General Operating Parameters

Concentration	7 to 10% by volume
Temperature (°F)	185° to 200°F
Time	10 to 30 minutes
Total Acid	8 to 12 ml of 1.0N NaOH = 8 to 12% 80 to 120 ml of 0.1N NaOH = 8 to 12%

Equipment

- » Tanks should be constructed of 316 stainless steel. 304 stainless steel or mild steel can be used as well.
- » Heaters may be either steam heated plate coils constructed of stainless steel or gas fired burner tube types constructed of mild steel.
- » Other equipment such as heaters, pH meters or electrodes should be made of steel when possible.

Caution

Refer to product labels and Safety Data Sheets for precautionary and handling information.

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