

# Product DATA BULLETIN

## Metal Medic 7153

Liquid Iron Phosphate / Cleaner

INCREASING PROFITABILITY THROUGH SOLUTIONS-DRIVEN CHEMICAL TECHNOLOGY

### Description:

Metal Medic 7153 is a liquid iron phosphate solution specially formulated for the cleaning and phosphate pre-treatment of iron, steel, zinc, and aluminum. It can be effectively applied in immersion tanks or via steam guns. This product creates a chemical coating on the metal surfaces, forming a uniform layer of phosphate crystals that significantly enhance paint adhesion and provide superior corrosion resistance. The phosphate coating bonds tightly with the metal surface, acting as a protective barrier against moisture, chemical fumes, air, electrical currents, and friction—factors that commonly contribute to metal degradation and corrosion. Designed for efficiency, Metal Medic 7153 eliminates the need for a post-rinse, making it an ideal choice for modern, eco-friendly processes, particularly when used with the latest dry steam units for a "green" treatment result.

### Applications:

Immersion Tanks: 3-5% solution by volume (3 gallons to 100 gallons water).

Steam Systems: 0.5-2% solution by volume (1/2 gallons to 100 gallons water).

True Steam: 1 quart in a 55 gallon drum of water for the siphon.

Operating Temperature: 110-230 degrees F

Approvals: Meets or Exceeds: TTC-490, Type II Cleaning and Pretreatment of Ferrous Surfaces for Organic Coatings.

### PRODUCT PROPERTIES

<b>Color</b>	Water Clear Liquid
<b>Odor</b>	Sweet and Mild
<b>pH (concentrate)</b>	4.0 - 4.6
<b>Foaming</b>	Low
<b>Rinsing</b>	Free and Complete
<b>Hard Water Stability</b>	Up to 500 p.p.m.
<b>Specific Gravity</b>	1.10 - 1.14

### PACKAGING CONFIGURATIONS

- 5 Gallon Pails
- 55 Gallon Drums
- 275 Gallon Totes

### STORAGE & HANDLING

- Packaged in Polyethylene Containers
- Store Inside at Room Temperature in Original Container
- Standard Chemical Handling Practices
- Shelf Life of ~2 Years in Sealed Containers

See SDS for complete safety recommendations.

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