

Product DATA BULLETIN

Metal Medic 7166

Liquid Iron Phosphate

INCREASING PROFITABILITY THROUGH SOLUTIONS-DRIVEN CHEMICAL TECHNOLOGY

Description:

Metal Medic 7166 is a high-performance liquid iron phosphate formulation that integrates a heavy-duty cleaning system for efficient surface preparation of ferrous metals. It delivers excellent color uniformity and promotes strong adhesion for subsequent coatings or finishes. Typically applied in a three-stage spray washer system, Metal Medic 7166 is also highly effective in immersion (dip) operations, offering versatility across a range of finishing lines. The phosphate coating it produces typically ranges from 40 to 100 milligrams per square foot, providing reliable corrosion resistance and a high-quality conversion layer that meets industrial standards.

Applications:

In pressure washers, immersion or spray washers, use 2-5% concentrations. For best results adjust pH to 4.6 - 5.2. This will take approximately 2.4% of 50% caustic to the amount of Metal Medic 7166 employed. For example: 100 gallons MM 7166 used approximately 2.4 gallons of 50% caustic would be needed. Make additions slowly and allow for mixing. Bear in mind any phosphate scale will also buffer the pH and require less caustic soda.

PRODUCT PROPERTIES

Appearance	Colorless to Straw Liquid
pH 1% Solution	2.5 - 3.0
Specific Gravity	1.13 - 1.15

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.

1/2/2025

All sales are exclusively subject to and conditioned upon the terms and conditions of sale posted at www.janed.net and any other additional or different terms are objected to and rejected unless an authorized representative of JEL expressly agrees to them in a signed writing.