

# Product DATA BULLETIN

## Metal Medic 7463 Manganese Phosphate

INCREASING PROFITABILITY THROUGH SOLUTIONS-DRIVEN CHEMICAL TECHNOLOGY

### Description:

Metal Medic 7463 is a cost-effective manganese phosphate coating designed for applications requiring enhanced wear resistance. It is particularly effective in reducing friction to prevent galling, scoring, and other forms of part-on-part wear during conditioning for continuous motion. Metal Medic 7463 is formulated to deliver reliable performance in high-contact environments and is engineered to meet or exceed military specification DOD-P-16232, Type M.

### Applications:

Immersion Tank Concentrations: 5-10% Metal Medic 7463 by volume to water.

Application Parameters: temperature 200-210 degrees F.

Concentration controlled by total acid; dropper or burette titration.

Time in tank will vary with desired result 5-20 minutes is typical.

Coating Weights will vary from 2000 to 3500 mg/ft<sup>2</sup> (21.5 to 37.7 g/M<sup>2</sup>)

**Equipment:** For both immersion and spray applications, stainless steel heating coils or elements and spray nozzles as needed.

#### PRODUCT PROPERTIES

<b>Appearance:</b>	Clear Light Green Liquid
<b>Odor:</b>	None
<b>pH Concentrate:</b>	2.0 – 3.0
<b>Specific Gravity:</b>	1.16 – 1.20

#### 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](http://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.