

Product DATA BULLETIN

Metal Medic 7465 Phosphating Compound

INCREASING PROFITABILITY THROUGH SOLUTIONS-DRIVEN CHEMICAL TECHNOLOGY

Description:

Metal Medic 7465 is a tri-metal, low fall-out, micro-crystalline zinc phosphate compound engineered for use in spray washer and immersion tank systems. It delivers a high-performance, tightly-adherent zinc phosphate coating on ferrous metals, enhancing corrosion resistance and paint adhesion. For multi-metal processing, including aluminum and zinc substrates, the addition of Metal Medic 7820, a fluoride grain refiner, is recommended. To ensure optimal coating uniformity and performance, fluoride concentrations in the application tank should be maintained within the range of 300–600 ppm.

Applications:

Immersion Tank Concentration: 2-5% Metal Medic 7465 by volume to water.
Application Parameters: temperature 125-180 F
Free Acid: 2.5-3.5, Total Acid: 16-20, Accelerator Points: 2.5 - 4.0

Oil Pipe Immersion Tank Concentration: 2.5% Metal Medic 7465 by volume to water.
Application Parameters: temperature 160-180 F
Total Acid: 16-20 mls (10 ml sample titrated to 0.1 N NaOH)

Spray Concentration: 1-3% Metal Medic 7465 by volume to water.
Application Parameters: temperature 125-180 F
Free Acid: 2.5-3.5, Total Acid: 16-20, Accelerator Points: 2.5-4.0

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

PRODUCT PROPERTIES

Appearance	Clear Green Liquid
Odor	None
pH Concentrate	1.0 - 2.0
Specific Gravity	1.48 - 1.57

PACKAGING CONFIGURATIONS

- 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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