

Product DATA BULLETIN

Metal Medic 51

(7250)

Water Soluble Corrosion Inhibitor

INCREASING PROFITABILITY THROUGH SOLUTIONS-DRIVEN CHEMICAL TECHNOLOGY

Description:

Metal Medic 51 is a concentrated, water-soluble, non-flammable, mildly alkaline solution designed for use in metal finishing operations. It provides dual functionality by cleaning and simultaneously protecting ferrous metals from rust, all while delivering a high-quality surface finish. This formulation is particularly valuable when processing components composed of dissimilar metals, such as steel and aluminum, where differential corrosion can be a concern. Metal Medic 51 is compatible with both abrasive and non-abrasive media, making it a flexible solution for a variety of vibratory and mass finishing applications. Its rust-inhibiting properties help extend the lifespan of parts between processing steps or during storage, enhancing overall production efficiency.

Applications:

Metal Medic 51 can be used in almost any operation: wet-tumbling, vibratory flow-through systems, burnishing, dip tanks, and spray washers.

Concentrations:

Vibratory Finishing:	1-2 oz / gallon	1% - 2% by volume
Tumbling:	2 oz / gallon	2% by volume
Immersion (Tank):	6 oz / gallon	5% by volume
Spray Washer:	1 oz / gallon	1% - 2% by volume

Temp. / Dwell Time:

Tank	140 F - 160 F	5 minutes
Spray Washer	140 F - 160 F	60 seconds

PRODUCT PROPERTIES

Appearance	Turquoise Liquid
pH 1%	8.6 - 9.6
Odor	Mild
Foaming	Medium
Rinsing	Free and Complete
Hard water stability	Up to 500 ppm
Specific Gravity	1.00 - 1.03

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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