

# Micron MP-3X

## ***Micro Zinc Phosphate Treatment***

MP-3X is a micro crystalline, manganese modified zinc phosphate compound. It is used for bonding paint and providing corrosion inhibition to steel and mixed metals of aluminum and zinc. It is used in immersion tanks or spray systems prior to powder coatings, e-coat and paints.

MP-3X is an advanced technology product for use in mixed metal operations requiring premium preparation and quality. Meets specs of federal spec TTC-490 type I, and Toyota #HTH-7500 for fine coatings.

MP-3X provides coating weights of 150-500 mg/ft<sup>2</sup> when used with Toner TA grain refiner pre-rinse.

## **Features & Benefits**

- High resistance to sludging.
- Operated on the zero-iron side 0.2-1.0 mLs.
- Use with Accelerator #40, nitrogen activator. Typical Coating Weights of 150 - 500 mg/ft<sup>2</sup>.
- Micro smooth coatings, providing a functional advantage.
- Meets various automotive, government and military specifications. (TTC-490E Type I coating weights easily controlled.)

## **Physical Data**

pH	1
Product Type	Liquid
Spec. Gravity	1.23
lbs./gal.	10.26
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 years
Freeze Information	Not damaged by freezing.

## **Typical Processing**

1. Pre-clean, Spray Process: HDS-1023. Immersion: Power Soak 835
2. Rinse. (maintain less the 0.5 points total alkalinity fresh rinse)
3. Optional: Grain Refiner Toner TA

4. MP-3 Zinc:  
 Spray Process: 14 - 20pts TA, Acc Pts. 2.0-10, Ratio: 14-20  
 Immersion Process: 20-30pts TA, Ratio 10-14, Acc pts. 2.0-10
5. Rinse < 100 F., optional second rinse preferred.
6. Final Seal Rinse: NCS Z-1
7. To paint and coating.

## Packaging

Container Type	Poly
Net Units	564
Tare Wt.	25 lb.
Gross Wt.	655
DOT_Name	UN 3264, Corrosive Liquid, Acidic, inorganic, N.O.S., (Phosphoric & Nitric Acids), 8, PG II.
DOT Hazard	Corrosive
Tarriff ID	

## Use Parameters

Concentration Range	2 – 6%
Temperature Range	120 – 170 deg. F.
Time Range	1.5 – 4 minutes.
Agitation	Spray or circulate.

## Waste Disposal

Remove metals, treat for pH, etc.

## Holding Tank Materials of Construction

Acid resistant, stainless, or poly.

## Other Information

It is important that the OSHA DATA, "Material Safety Data Sheet" be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.



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