



Product Bulletin

Product Name: MICRON MC-500 PT. 2
Product Code: 2202908
Revision Date: January 27, 2025

MICRON MC 500, PART #2

MICRON ZINC REPLENISHER

MICRON MC-500 phosphate coating system is a lubrication grade process for steel. Provides extrusion and metal drawing aid. A HYBRID FORMULA for use with POLYMER LUBE PRODUCTS and soaps.

MICRON MC 500 is a two-part system (Make-up & Replenisher) that provides a micro crystalline, tightly bonded coating on steel. A zero iron operating system with a unique coating structure for better lubrication.

MICRON MC-500 is an advanced phosphate coating which includes a CATALYST for improved coatings which assist lubrication whether you are using POLY LUBE or soap.

Features & Benefits

- Lowest use cost. No dump operating system.
- Can be used in coil coating, barrel slug processes, immersion or spray.
- NICKEL FREE FOR ADDED ENVIRONMENTAL ADVANTAGE
- Reduced sludging and scale build-up on equipment. Bonds lubricant coatings tighter and more uniform.
- Can be used with all conventional and advanced lubricant coatings. Provides wide coating range as required: 500-800 mg/sq.ft.

Typical Processing

1. Pre-clean as required with acid pickling and/or alkaline cleaning.
2. Rinse
3. Rinse
4. Phosphate coat: MICRON MC-500 (Make-up & Replenisher)
Use 7%~ of MAKE-UP = 21 points total acid Part #1 to prepare a new bath.
5. Rinse
6. Hot rinse, 150 F., 30-60 sec., neutralized to ph of 9~ (w/856-L) 7) Lubricant coat: LOC-LUBE SOAP, POLY-LUBE, LIME, OIL ETC.



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Specifications

pH	1
Prod._Type	Liquid
Spec.Grav	1.52
LBS./GAL	12.68
FOAM 0=low 9=high	0
Shelf life years:	10 Years
Freeze information	Not Damaged by Freezing

Packaging

Container Type	POLY
Net Units	700
Tare Wt.	25 LB.
Gross Wt.	725
Dot_Name	UN 3264, Corrosive Liquid, Acidic, inorganic, N.O.S., (Phosphoric & Nitric Acids),8, PG II,
DOT Hazzard	Corrosive
Tariff ID	n/a

Use parameters

Concentration Range	20-30 Points total acid.
Range	175-190 F.
Time Range	4-10 min.
Agitation	N/A

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.

Waste Disposal

NEUTRALIZE PH, REMOVE FATS, OILS, GREASE AND HEAVY METALS.

Holding Tank Materials of Construction

ACID RESISTANT, STAINLESS OR POLY



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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**¹³⁶.