

“We’ve worked with Hubbard-Hall for over 30 years. We rely heavily on their technical expertise. They are extremely responsive.”

Bob McElwee, President
Cleveland Black Oxide

Finishing the Hard to Finish

Metal Guard®

Precise corrosion resistance, lubricity, dryness and decorative finish for your application.

Metal Guard® 700

Low odor, biodegradable, water-based, emulsion rust preventative offering outstanding corrosion protection during storage and transportation. This non-mineral oil formula leaves an extremely dry thin film, to be used at room temperature. Typical features include medium term (1-12 weeks) protection of:

- Steel
- Nickel Plate & Nickel Clad (Low Current Density Areas)
- Black Oxide Coatings
- Zinc Phosphate & Zinc Plated
- Manganese Phosphate
- ID of Plate Steel Tubing

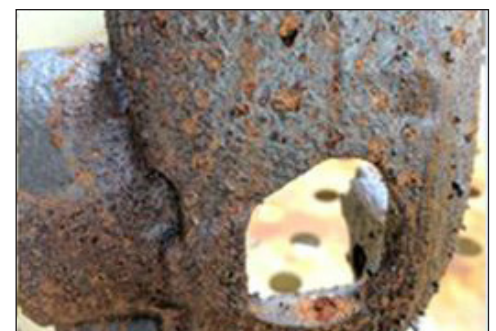
Metal Guard® 560

Solvent-based, water-displacing rust preventative with options of dip, spray, or brush application. Parts immersed in Metal Guard® 560 will displace the water to the bottom of the tank for periodic draw-off. Uses include:

- Black Oxide Coatings
- Zinc Coatings
- Manganese Phosphate
- After Machining or Cleaning Operation

Key Features

- Exceptional corrosion protection
- Over 40 available formulations
- Dip, spray or brush application options
- Low odor, eco-friendly and non-staining options



Without Metal Guard 560



With Metal Guard 560



Metal Guard® 700

FEATURES	BENEFITS
360 hours of ASTM D-2247 over bare steel	15 days of corrosion protection (5x competing products)
1,704 hours ASTM D-2247 over Ni-Clad Battery Cans	Excellent corrosion protection over nickel
Oil-Free	No oil drag in on cleaning lines = less contamination Easy to paint over
Variable Concentration	Allows for a versatile film formation & reduces cost
No Flash Point	0% risk of flash around burner systems
Barium Free	Not SARA regulated
Biodegradable Ester-Based Product	Easily cleaned and eco-friendly Reduces disposal costs Dramatically reduces wastewater issues

Metal Guard® 560

FEATURES	BENEFITS
200 hours ASTM B-117 over Black Oxide	2X the corrosion protection of competing products Added guarantee that parts won't rust
Rapid Water Displacement	Reduces the chance of water contamination Consistent application in less time
Low Odor	User friendly
Meets Mil-C-16173 Grade 3 Specs	Compliant for military applications
Thin Protective Film	Reduces consumption because of less drag out
Non-staining	Does not affect the surface's appearance

Our people. Your problem solvers.

Expertise you can trust.

32% of Hubbard-Hall associates are in tech support, customer service or sales. This means that you get answers fast while the rest of our team gets your order delivered on time and in spec.

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FF-0820

Chemistry and Expertise for
Manufacturing's Toughest Problems



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Cleaning
the Hard to Clean



Finishing
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Treating
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