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our experts

Better Chemistry. Better Business.

Functional Coatings

We can help you optimize your entire functional coating process, from part prep to waste treatment system, with cleaning, phosphating, sealers and waste treatment options to save you time, money, and energy.



Performance Driven. Customer Focused.

With roots from 1849, Hubbard-Hall's mission is to help manufacturers tackle complex surface finishing and wastewater treatment problems. Combining 6 generations of family leadership, 4 strategically located facilities, and a 99.8% product consistency goal, we develop, service, and supply our line of specialty chemicals for ferrous and nonferrous metals. These include solvent & aqueous cleaners, pretreatment chemistries, functional coatings, corrosion inhibitors, plating & electroless nickel products, as well as chemistry and biologics for wastewater treatment.

A Sample of Our Conversion Coating Process Products

PRODUCT	PURPOSE	NICKEL	OPERATING TEMP	MAKE-UP	COATING WT
375-LS	Low foam, heavy duty metal cleaning and surface conditioning for soak tanks or spray washers	N/A	130-190°F	1-3%	N/A
Aquaease SL 150	High alkaline based liquid soak cleaner for ferrous metals and brass	N/A	130-190°F	4-12%	N/A
Aquaease PL 918	Low foam, heavy duty caustic, chelated alkaline soak, ultrasonic, electro, and spray cleaner for steel, stainless steel, nickel, copper, and copper alloys	N/A	130-190°F	1-20%	N/A
Aquaease Infinity	Membrane filtration system that removed emulsified oils and reclaims up to 98% of cleaner baths	N/A	N/A	N/A	N/A
Mi-Phos Z-1500	Low sludging, heavy crystalline Zn phos coating for high volume process lines	NO	150-180°F	3-5%	1500-2500 mg/ft ²
Mi-Phos Z-2	Non-metallic, oil absorptive heavy Zn phos coating. Meets MIL DTL 16232	YES	180-200°F	3-4%	1400-1600 mg/ft ²
Mi-Phos M-5	Mn phos for steel that meets MIL DTL 16232 and AMS 2481	YES	195-205°F	10%	1800-2000 mg/ft ²
Micron MC-900 pt 1&2	Micro crystalline, lubrication grade Zn phos coating for steel. Reduced sludging and scale build-up on equipment.	YES	175-190°F	7%	600-1200 mg/ft ²
Micron MC-950 pt 1&2	Micro crystalline, lubrication grade Zn phos coating for steel. Reduced sludging and scale build-up on equipment.	NO	175-190°F	7%	600-1200 mg/ft ²
TCJ-100	Heavy Zn phos compound used for applying corrosion inhibiting and lube coatings to steel in immersion tanks. Low temp, ultra low sludging	NO	140-190°F	5%	2000+ mg/ft ²
NCS Z-3	Non-chrome final rinse sealer	N/A	75-150°F	0.25-1%	N/A

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.

Hubbardhall.com/functional-coatings

HH-0525

 Surface Cleaners

 Metal Finishing

 Wastewater Treatment

Chemistry and Expertise for
Manufacturing's Toughest Problems



563 South Leonard Street, Waterbury, CT 06708
Phone: (800) 648-3412 · HubbardHall.com