

Metal Guard® 914 HS

Metal Guard® 914 HS is a water-based wax emulsion offering outstanding lubricity, adhesion, and durability on blackened, phosphated, and bare metal surfaces. It can be applied by dipping, spraying, tumbling, or brushing on.

Metal Guard® 914 HS is normally used as received but may be diluted with water, in special applications, up to 50% by volume.

Since Metal Guard® 914 HS is a water/wax emulsion parts can be processed through it without pre-drying. Some care should be exercised, however, to prevent too great a carry over of water which would, in time, dilute the wax emulsion resulting in a thinner deposit with lower protective quality.

Metal Guard® 914 HS coating will air-dry in a relatively short time. The drying period can be shortened by force drying with warm air or in heated spin dryers. If it becomes necessary to reprocess the parts, the wax coating may be removed in a hot alkaline cleaner or vapor degreaser.

Metal Guard® 914 HS wax emulsion can be contained in plain or lined steel tanks, stainless steel, polypropylene, PVC or supported polyethylene tanks. Small additions of Metal Guard® 914 HS should be made to the working bath to replenish volume lost due to the processing of work.

Metal Guard® 914 HS has a pH range – 8.0 – 9.0. If required, the pH should be maintained with small periodic additions of ammonium hydroxide. Great care should be taken in adjusting the pH.

Disposal of spent Metal Guard® 914 HS should be in accordance to all applicable federal, state and local environmental ordinances.

Typical Properties

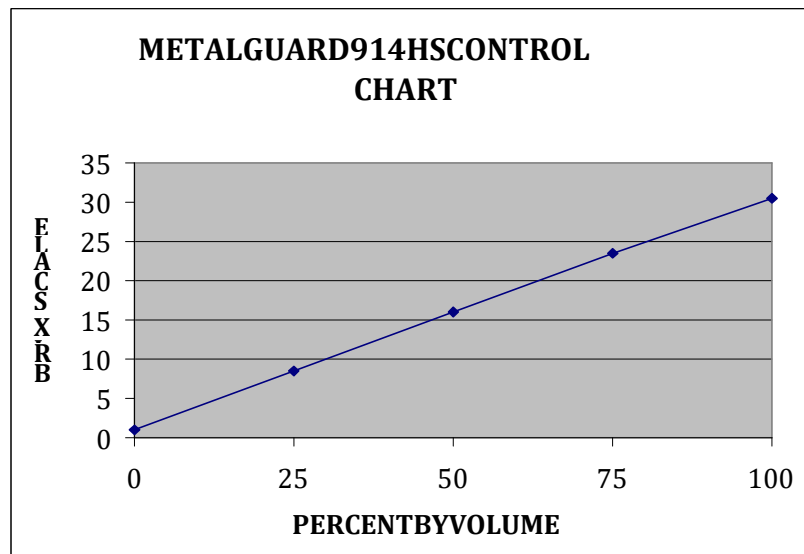
Approximate Coverage	1,000 – 2,000 sq. ft./gallon Approximate
Approximate Film Thickness (Dip)	Less than 0.50 mil
Flash point	None

Physical Data

Specific gravity	Approximately 1.0 @ 70F.
Vapor pressure	Same as water
Percentage of volatility by volume	None
Vapor density (Air = 1)	Same as water
Evaporation rate (ether =1)	Less than 1
Solubility in water	100%
Appearance and odor	Opaque tan emulsion, mild odor
pH	8.0 – 9.0

Control Procedure

Using a hand held Brix Scale Refractometer, simply compare the reading with the below control chart. Make adjustments as necessary.





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Product Bulletin

Product Name: Metal Guard® 914 HS
Product Code: 2509014
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WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

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.