

Metal Guard[®] 917

Metal Guard 917 is an acidic water-based, wax emulsion rust preventative offering outstanding lubricity, adhesion, and durability on blackened, phosphated and bare metal surfaces. Metal Guard 917 is especially effective when used over chromated surfaces. It can be applied by dipping, spraying, tumbling, or brushing. Coatings will air-dry in a relatively short amount of time but can be shortened with forced air or heated spin dryers. Metal Guard 917 is normally used as received but may be diluted with water, in special applications, up to 50% by volume.

Metal Guard 917 wax emulsion can be contained in lined steel tanks, stainless steel, polypropylene, PVC or supported polyethylene tanks.

Features & Benefits

Mildly acidic	Safe to use over chromated surfaces
Water soluble	Improve cost effectiveness and ease of application
Provides consistent friction coefficients	Uniform coating performance

Physical Data

Appearance and odor	Tan emulsion, Mild vinegar
Approximate coverage	1,000 – 2,000 ft ² /Gal
Approximate film thickness (Dip)	< 0.50 mil
pH	3.5 – 4.5
Flash point	None
Solubility	100%
Specific gravity	~ 0.99
Vapor pressure	Same as water
Vapor density (air = 1)	Same as water
Evaporation rate (ether = 1)	< 1

Typical Applications

- Final topcoat over chromated substrates
- Torque tension control

Operating Conditions

Metal Guard 917 is normally used as received but may be diluted with water, in special applications, up to 50% by volume.

Metal Guard 917 is a water/wax emulsion, thus 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 917 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.

Waste Disposal

Disposal of spent Metal Guard 917 should be in accordance to all applicable federal, state and local environmental ordinances.

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

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