

Metal Guard[®] 916

Metal Guard 916 is a water-based emulsion of a dry film lubricant offering outstanding lubricity and adhesion on all surfaces. It can be applied by dipping, spraying, tumbling, or brushing on.

Metal Guard 916 leaves a clear, dry, and tack-free lubricating film.

Features & Benefits

No hazardous ingredients	Improved safety
Water soluble	Improve cost effectiveness and ease of application
Provides consistent friction coefficients	Uniform coating performance

Physical Data

Specific gravity	~ 1.00 @ 70°F
Vapor pressure	17.5 MM @ 25°C
Percentage of volatility by volume	65%
Vapor density (air=1)	Same as water
Evaporation rate (water=1)	Approx. 1.0
Solubility in water	100%
Appearance and odor	Light yellow emulsion, mild odor
pH	9.0 – 10.0

Typical Applications

- Recommended for torque tension control
- Lubrication of screws, nuts, and rivet
- Provide an antifriction film to drawer slides



Operating Conditions

Metal Guard 916 is diluted with water. In most applications, the lubricant is diluted between 50% and 80% with water.

Since Metal Guard 916 is a water emulsion, parts can be processed through it without pre-drying. Some care should be exercised, however, to prevent too great a carryover of water which would, in time, dilute the emulsion resulting in a thinner deposit with lower lubricating properties.

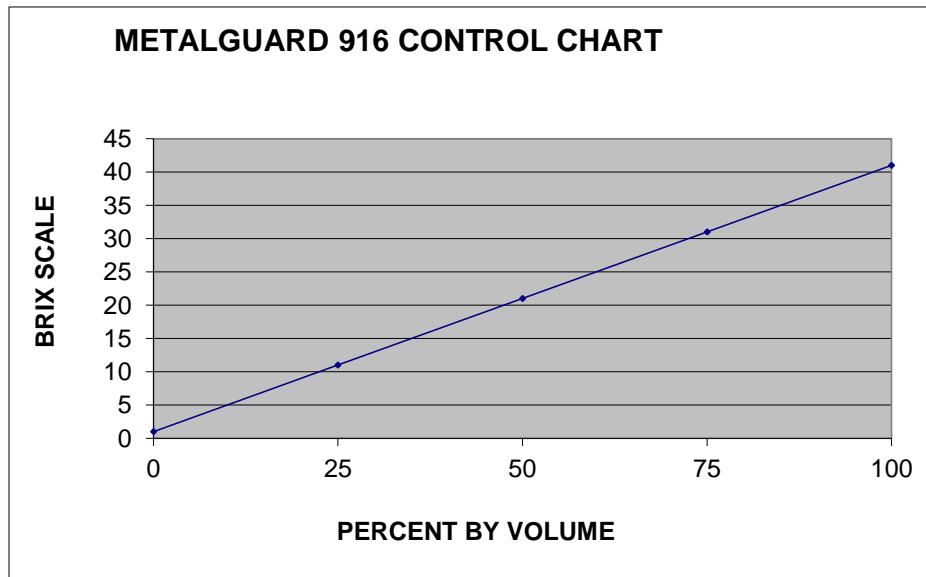
Metal Guard 916 coating will air-dry in a relatively short time. To avoid any risk of corrosion, the drying period can be shortened by force drying with warm air or in heated spin dryers. If it becomes necessary to reprocess the parts, the lubricant coating may be removed in a hot alkaline cleaner or vapor degreaser.

Equipment

Metal Guard 916 emulsion can be contained in plain or lined steel tanks, stainless steel, Polypropylene, PVC or supported Polyethylene tanks.

Control Method

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



Cleaning
the Hard to Clean



Finishing
the Hard to Finish



Treating
the Hard to Treat

Waste Disposal

Disposal of spent Metal Guard 916 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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