



Better Chemistry. **Better Business.**

Metal Guard® 916

Product Code: 2509016
Revised Date: 03/18/2009

Metal Guard® 916

DESCRIPTION

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 AND BENEFITS

- Non-regulated
- No hazardous ingredients
- May be diluted with water
- Provides consistent friction coefficients

TYPICAL APPLICATIONS

- 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 carry over of water which would, in time, dilute the emulsion resulting in a thinner deposit with lower lubricating properties.



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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.

PHYSICAL DATA

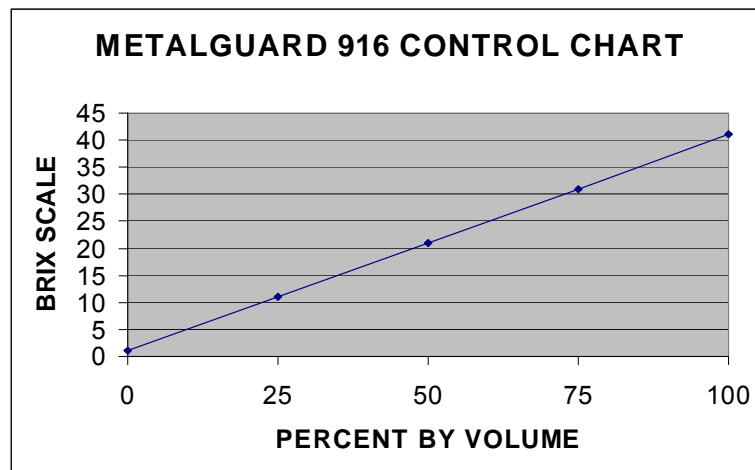
Specific gravity	Approximately 1.0 @ 70F°
Vapor pressure	17.5MM @ 25C°
Percentage of volatility by volume.....	65%
Vapor density (Air = 1)	Same as water
Evaporation rate (Water =1).....	Approximately 1.0
Solubility in water.....	100%
Appearance and odor.....	Light Yellow emulsion, mild odor
pH	9.0 –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

EQUIPMENT

Metal Guard® 916 emulsion can be contained in plain or lined steel tanks, stainless steel, polypropylene, PVC or supported polyethylene tanks.

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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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.