



Product Bulletin

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METALGUARD® 919

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Lubricating Wax Emulsion Rust Preventive

METALGUARD® 919 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.

METALGUARD® 919 is normally used as received but may be diluted with water, in special applications, up to 50% by volume.

Since **METALGUARD® 919** 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.

METALGUARD® 919 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.

METALGUARD® 919 wax emulsion can be contained in plain or lined steel tanks, stainless steel, polypropylene, PVC or supported polyethylene tanks.

Small additions of **METALGUARD® 919** should be made to the working bath to replenish volume lost due to the processing of work.

METALGUARD® 919 has a pH range of 8.5 – 9.5. 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 **METALGUARD® 919** 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 Film Thickness (Dip) Less than 0.50 mil
Flash Point None

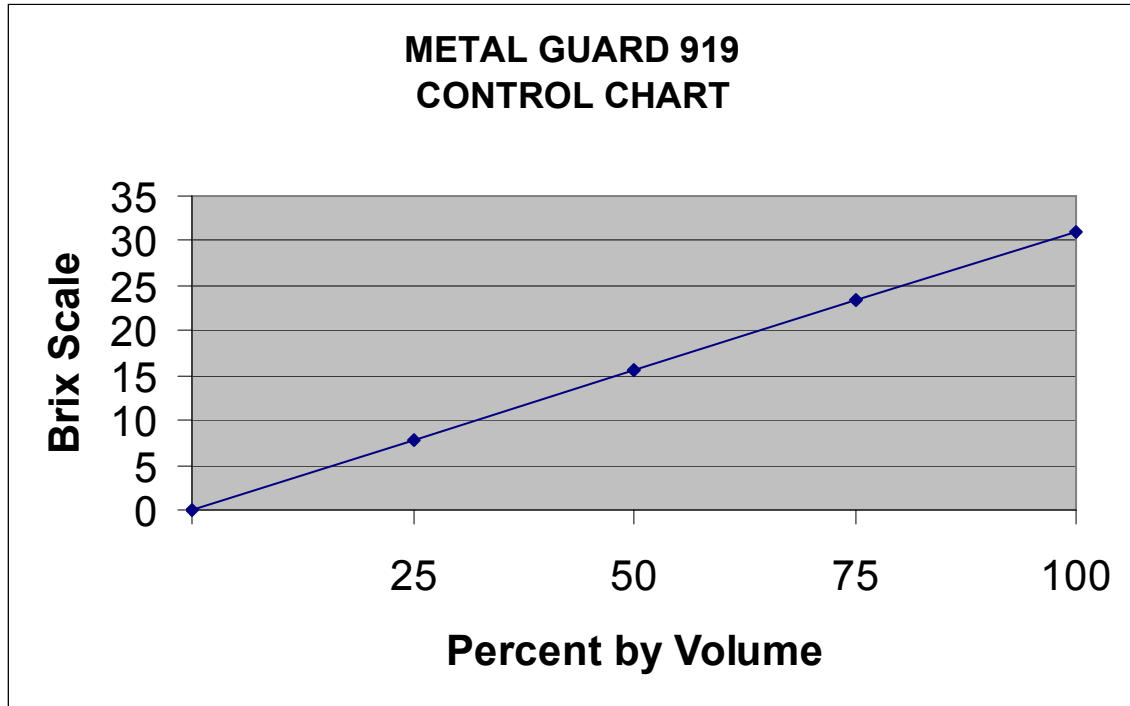
PHYSICAL DATA

Specific gravity Approximately 0.990 @ 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 8.5 – 9.5

METALGUARD® 919

CONTROL PROCEDURE

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



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.