Metal Guard® 700

Metal Guard 700 is an emulsion rust preventative offering outstanding corrosion protection to blackened, phosphate, and bare metal surfaces during storage and transportation. After water evaporation, this emulsion leaves an extremely thin dry film.

Metal Guard 700 is normally used as received but may be diluted with water, in special applications. Since Metal Guard 700 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 protective quality.

Metal Guard 700 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 coating may be removed in a hot alkaline cleaner or vapor degreaser.

Features & Benefits

No mineral oil, biodegradable ester	Environmentally friendly
Water soluble	Easily removed with a mild alkaline cleaner
Used at room temperature	Ease of application
Low odor	Improved operating conditions

Physical Data

Approximate film thickness (dip)	< 0.50 mil
Flash point	None
Average coverage	800 square feet per gallon
Specific gravity	~ 1.00 @ 70°F
Solubility in water	Stable emulsion
Appearance and odor	Opaque tan emulsion, mild odor

pH	9.9 – 10.5

Typical Applications

- Final rust preventative after Black Magic coatings
- Final rust preventative after machining or cleaning operations
- Final rust preventative after Hubbard Hall's Mi-Phos zinc or manganese phosphate coatings

Control Method

Brix Scale Refractometer Reading	Metal Guard 700 Concentration
0	0% by volume
0.5	10% by volume
1.0	20% by volume
1.5	30% by volume
2.0	40% by volume
2.5	50% by volume
3.0	60% by volume
3.5	70% by volume
4.0	80% by volume
4.5	90% by volume
5.0	100% by volume

A 0% to10% Brix Scale Refractometer should be used with the table above in order to determine the Metal Guard 700 bath concentration.

Waste Disposal

Disposal of spent Metal Guard 700 should be in accordance to all applicable federal, state and local environmental ordinances.

WARRANTY: HUBBARD-HALL INC. IS NOT RESPONSIBLE FOR THE MISUSE, MISAPPLICATION, OR MISHANDLING OF THIS PRODUCT. SEE THE TERMS AND CONDITIONS OF SALE ON OUR WEBSITE FOR ADDITIONAL TERMS AND CONDITIONS CONCERNING OUR PRODUCTS, INCLUDING BUT NOT LIMITED TO, LIMITATIONS AND DISCLAIMERS OF WARRANTIES AND LIABILITIES.

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]