

Metal Guard® 350 Concentrate

Metal Guard® 350 Concentrate is combined with good mixing at 10% by weight with hot water to produce the equivalent of Hubbard-Hall's Metal Guard® 350. Before combining the Metal Guard® 350 Concentrate and water, both materials should be heated to 140oF or 60oC. However, Metal Guard® 350 Concentrate contains a volatile emulsifier, and care should be taken not to heat the material above 155oF or 68oC. After the mixture is emulsified, the solution can be allowed to cool to room temperature. The resultant mixture will produce an emulsion rust preventative offering outstanding lubricity and corrosion protection to blackened, phosphated, and bare metal surfaces. If it becomes necessary to reprocess the parts, the coating may be removed in a hot alkaline cleaner or vapor degreaser.

Features & Benefits

- Outstanding lubricity
- Water-based
- Excellent rust protection
- Thin protective film
- Easily removed with alkaline cleaner

Typical Applications

- Final coat after black oxide
- Final coat after zinc or manganese phosphate
- Final coat on bare steel

Operating Conditions

Approximate Film Thickness (Dip)	Less than 0.50 mil
Flash Point	None



Physical Data

Specific gravity	0.93 @ 15.6°C
Solubility in water	Stable Emulsion
Flash Point	135 °C
Appearance and odor	Brown Waxy Solid
pH @ 10%	9.2

Waste Disposal

Disposal of spent Metal Guard® 350 Concentrate 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 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.