

Metal Guard® 452

Metal Guard® 452 is a concentrated rust preventive compound that is diluted with mineral spirits, stoddard solvent or high flash point mineral spirits to yield a general-purpose water displacing rust preventive.

Metal Guard® 452 when diluted at a ratio of 11% by weight Metal Guard® 452 to 89% by weight stoddard solvent, will yield a true, dry-to-touch rust preventive. Other ratios may be used to produce heavier or lighter coating depending on customer requirements.

The use of higher flash point mineral spirits will produce somewhat wetter and slower drying protective coatings.

The use of mineral oil as a diluent will yield oily, water displacing protective coatings.

Experimentation with small quantities of Metal Guard® 452 and diluents is recommended to ensure compatibility and determine solubility when diluents other than stoddard solvent are used.

Metal Guard® 452 has a melting point of approximately 120°F and can be melted prior to adding to the solvent diluent. The use of any solvents should be only in well-ventilated areas. When using low flash point solvents, be sure to ground all tanks, drums and equipment to prevent static discharge. Keep all sources of spark or flame away from any areas in which flammable or combustible materials are in use.

Read and understand OSHA Safety Data Sheet prior to using, working with or handling Metal Guard® 452.



Physical Data

Boiling point	305-396° F
Melting point	120-130° F
Specific gravity	na (density 0.93)
Percentage of volatility by volume	less than 3%
Evaporation rate (butyl acetate = 1)	very slow
Solubility in water	not soluble
Appearance and odor	clear amber solution, non-viscous, solvent smell

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.