

Product Description

HinderRUST® HV100 is engineered to naturally self-polymerize over time to create a waxy film barrier to protect against extreme conditions.

Features

- Active wetting action travels across metal surfaces including south-to-north travel
- Adsorbs to metals using thin film technology
- Deep penetration into areas that cannot be reached
- Water and moisture displacing
- Naturally polymerizes to a wax-like surface over a 6-week period
- High dielectric strength – will not conduct electricity
- Non-toxic, non-hazardous, non-flammable, solvent-free – won't evaporate away!
- Safe to use in confined spaces
- PFAS-free



Benefits

- Apply to existing rust to stop and prevent new rust from forming
- Maintenance – The product can be reapplied as part of a regular maintenance program
- Compatible with today's engineered plastics and rubbers

Applications

- Weather-exposed metals
- Industrial Equipment
- Earthmoving and excavation equipment
- Marine environments
- Corrosive environments
- High humidity

Health and Safety

HinderRUST HV100 is a very safe, solvent-free product. The non-aerosol versions are not classified as hazardous according to OSHA 29 CFR 1910.1200 and WHMIS. Not hazardous under the consumer product safety regulations. See the Safety Data Sheet for additional information.

Storage, Shipping and Handling

Always keep the unused product in the original container, tightly closed. The liquid versions are DOT-classified as non-hazardous and can be shipped by air with no shipping restrictions. See the Safety Data Sheet for additional information.

Specifications and Approvals

Test	Rating
Physical State	Liquid
Color	Translucent Tan
Odor	Slight - negligible
California Air Resources Board (CARB) Compliant	Yes
VOC ASTM D2369 EPA test 24	Liquid: 0.97%
LVP-VOC of Mixture	Liquid: 0.13% Aerosol Package: 22%
Flammable OSHA CFR 29 910.106	No
Flashpoint ASTM D92	+254°C (+489°F)
Vapor Pressure	<0.1 mmHg at +20°C (0.002 psi @ +68°F)
Torque K-Factor (Lubricated Bolt)	Zinc Plated Bolt: 0.128 Stainless Steel: 0.362

Test	Rating
Ecotoxicity	Not harmful
Biodegradation	Inherently biodegradable
Soluble in Water	No
ASTM G154-16 UV & Humidity Accelerated Test	Pass. At 366 hours stable, sheds water, no corrosion
Salt Fog Test ASTM B117	Direct Dripping Exposure: +500 hours Undercover +100,000 hours to indefinitely
Specific Gravity @ 150°C (60°F)	0.977 g/cm ³ (0.565 oz/in ³)
Kinematic Viscosity ASTM D445	111.4 cSt @ +40°C (+104°F) 18.81 SUS @ +100°C (+212°F)
Dielectric Breakdown Voltage ASTM D877-A	Liquid: 19.31 kV
EP Properties Falex – True Load Failure ASTM D3233	626 kgf (1380 lbf)
Four Ball Wear ASTM D4172 40 kgf	0.52 mm (0.02in)

How to Apply

Surface Preparation: Remove any course, loose rust scale, or paint blisters.

Application Methods: Shake before using. Coat the surface with a thin even layer. HinderRUST HV100 may be applied to wet or dry metals by an airless sprayer, brush, or roller. Spray Equipment: Graco Magnum X7 or equivalent airless paint sprayer. An annual maintenance program for reapplication is recommended if constant repeated exposure to water sprays greater than rainfall is to occur. Typical Coverage is 9.816 to 14.725 sq m/L (400 to 600 sq ft/gal).

Curing time: None. HinderRUST HV100 goes on as a mobile liquid that creeps and wets to the surface and into seams. Will slowly polymerize into a waxy film (6 weeks), locking in protection. Equipment may be used immediately after coating. HinderRUST HV100 starts protecting and lubricating the surface upon application.

Packaging

Part No.	Size	Container	Case Quantity
9543355	333 g (Net Wt 11.7 oz)	Aerosol Spray Can	12
9543350	946 mL (32 fl oz / 1 qt)	Jug	4
9543351	3.78 L (128 fl oz / 1 gal)	Jug	4
9543352	18.9 L (5 gal)	Pail	1
9543354	208 L (55 gal)	Drum	1
9955560		Drum Mixer	1

