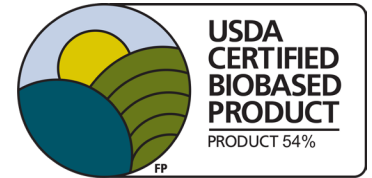




CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies



BioCorr® HP

DESCRIPTION

BioCorr® HP is a new generation of BioCorr®, Cortec's time-tested water-based and biobased rust preventative designed to preserve metals in storage and during transportation. BioCorr® HP has excellent emulsion stability, contains no chemicals that interfere with automatic transmission fluids, provides multi-metal protection, and is an excellent environmentally sound alternative to petroleum-derived products due to its biobased content. This ready-to-use formulation can protect for up to two years of indoor storage or during shipments when combined with VpCI® packaging materials. Unlike rust preventative oils, this product leaves a dry, virtually undetectable film on the metal surface. This feature helps to create a clean workplace and prevents material waste. The product uses a unique UV-marker technology for easier identification on the metal surface. BioCorr® HP Rust Preventative is a USDA Certified Biobased Product.

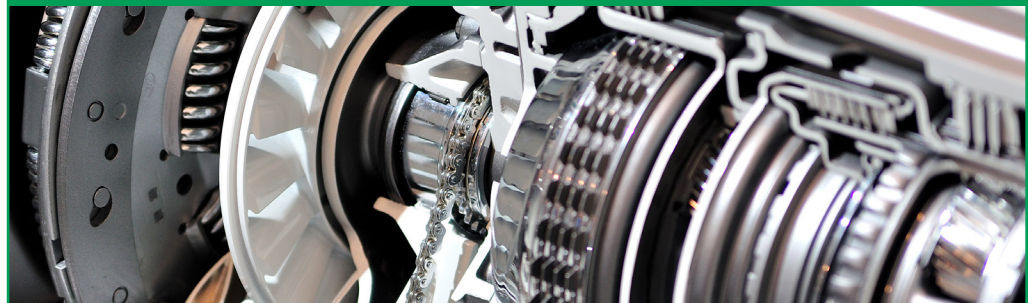
PACKAGING & STORAGE

BioCorr® HP is packaged in 5 gallon (19 L) pails, 55 gallon (208 L) drums, liquid totes, and bulk.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

VpCI® METALWORKING PRODUCTS



FEATURES

- Ready-to-use product
- Does not contain chemicals that interfere with automatic transmission fluids
- Replaces hazardous mineral oils and flammable solvents
- Contains no chlorinated compounds, chromates, or nitrites
- Formulated with renewable raw materials
- Contains 54% USDA certified biobased content
- UV-marker technology
- Excellent shelf-life emulsion stability

BENEFITS

- Provides excellent multi-metal corrosion protection
- Displaces water and oil from metal surfaces
- Forms an invisible dry-to-touch film
- Improves work environment by the absence of odors
- Streamlines processes by not requiring removal in most cases

APPLICATION

BioCorr® HP is a ready-to-use product and can be applied by dipping or spraying. Agitate before each use. If desired, use a UV light to detect the product on the surface after application. BioCorr® HP SC is supplied as a concentrate and must be diluted and thoroughly mixed prior to use. SC version does not contain UV marker technology.

BioCorr® HP can be used as a temporary rust preventative for storage and shipment of metal parts such as

- Automotive components (specifically designed for use with transmissions)
- Pipes, flanges, and gears
- Sheets, coils, and castings

BioCorr® HP should be applied at ambient temperatures of 32-122 °F (0-50 °C).

BioCorr® HP

TYPICAL PROPERTIES

BioCorr® HP	
Appearance	Milky White Liquid
pH	9.06 ± 0.3 (neat)
Density	8.3-8.4 lb/gal (1.00-1.01 kg/L)

BioCorr® HP SC	
Appearance	Yellow to Amber
Density	8.0 lb/gal (0.96 kg/L)

TEST RESULTS

Test Name	Standard Test	Results
Humidity Cabinet	ASTM D1748	600h
Cast Iron Chip Test ^a	ASTM D4627	Pass
Half-Immersion ^b	Copper	Pass
	Aluminum	Pass
	Galvanized (el) ^c	Pass
	Galvanized (hot) ^d	Pass

^aThe SC formula was used to prepare a solution for testing

^bTesting temperature: 104 °F (40 °C); test duration: 200h

^cElectroplated galvanized steel

^dHot-dipped galvanized steel

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

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