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Making the Leap to Biobased Rust Prevention

Although sustainability is a major buzzword in society and corporate sustainability initiatives are encouraged, many uncertainties surround the switch from petroleum- or solvent-based products to their water-based or biobased alternatives. However, [BioCorr® HP](#) is one example of a USDA Certified Biobased Product that offers many practical advantages to companies who take the biobased route.



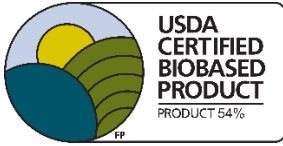
The Basics of BioCorr® HP

BioCorr® HP is Cortec's latest generation of BioCorr® water-based/biobased rust preventatives, bringing together some of the favorite features of Cortec's previous versions. Unlike rust preventative oils, this ready-to-use product leaves a dry, virtually undetectable film on metal surfaces. BioCorr® HP can be used to protect a variety of components during the manufacturing process or in storage. It is especially relevant to the auto industry but also may be used in coil processing, casting, and many other segments of metal manufacturing.

Practical Advantages

The main advantages of BioCorr® HP come from its thin, dry-film forming characteristics. This means it does not attract dust and other debris that normally stick to greasy surfaces. It can also be used for components with tight

tolerances, such as auto parts or threaded mating surfaces on heavy equipment. In many cases, the film does not have to be removed, reducing work time and streamlining the WIP cycle between different stages of the manufacturing process. Overall, these qualities make BioCorr® HP inherently easier to work with than traditional oil- or solvent-based rust preventatives and leave behind a cleaner work environment.



Making Sustainability Work

In addition to its practical benefits, BioCorr® HP offers a more sustainable approach to rust prevention. As a product that contains 54% USDA certified biobased content and carries no hazard symbols for its ready-to-use form, BioCorr® HP is an outstanding replacement to hazardous mineral oils and flammable solvents. However, Cortec® Technical Service Engineer Luke Stone does point out one potential challenge and how BioCorr® HP overcomes it. “[W]ith many of the lighter water-based RP’s [rust preventatives] it can be difficult to visually inspect parts for coverage,” Stone explained. “Using a product like BioCorr® HP with a UV tracer allows you to easily inspect parts by shining an ultraviolet light, allowing you to have peace of mind that your process is effectively protecting your parts.”

Ensuring Compatibility

Another important step in choosing a new rust preventative is ensuring compatibility with the components themselves, the manufacturing process, and other fluids that will touch the rust preventative. BioCorr® HP scores well in several areas that are of importance, primarily in the auto industry:

- 1) It does not interfere with transmission fluids.
- 2) It can be applied by dip or spray, robotically or by hand.
- 3) It has good emulsion stability in storage, so it is unlikely to separate inside application equipment.
- 4) It is compatible with yellow metals.



Making the Leap to Biobased

Whether you need to protect gears, transmission components, pipes, flanges, valve stems, or threaded mating surfaces, BioCorr® HP is a good rust preventative option to consider when seeking more sustainable options or simply looking for a product that is easier to use. [Contact Cortec® to discuss whether BioCorr HP is the right biobased rust preventative for your metal protection needs.](#)

Keywords: biobased rust preventative, biobased rust prevention, sustainability, USDA Certified Biobased Product, water based rust preventative, dry film rust preventatives, alternatives to oils and solvents, automotive rust preventatives, transmission rust preventatives, Cortec

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