

BioCORTEC®

NEWSLETTER

October 2024

Cortec® Spray Technologies Spotlighted on Green Tier Video

In keeping with Cortec's longtime commitment to environmental responsibility, Cortec® Spray Technologies (CST) and Cortec® Coated Products (CCP) have been members of the Wisconsin Green Tier since 2010. Participating in this voluntary program run by the Wisconsin Department of Natural Resources (DNR) requires CST and CCP to meet special Green Tier requirements, including the maintenance of an Environmental Management System. It also provides special tools to help companies handle their business in a more efficient, environmentally responsible manner.



In the last few years, CST and CCP have found the Green Tier program's metrics form particularly helpful for improving business efficiency and scale while handling resources wisely. Because of this success, the Wisconsin Green Tier highlighted CST in a recent video.

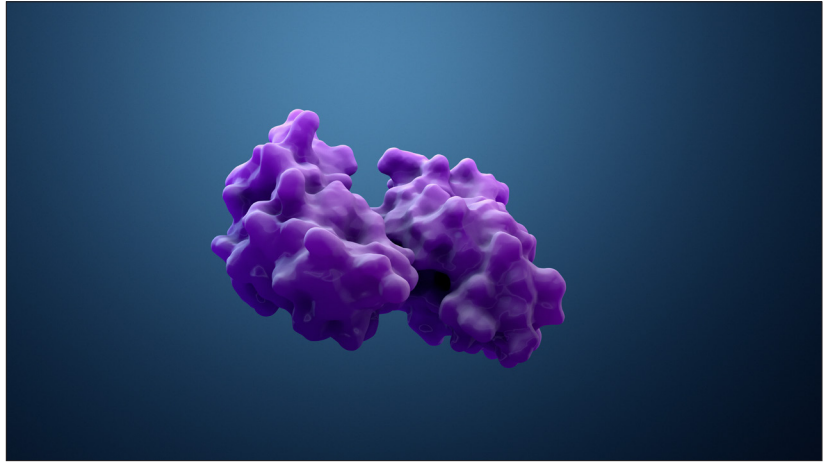
Cortec's Environmental Specialist, Derek Jensen, served as Cortec's spokesman for the interview and shared how being part of the Green Tier has been "phenomenal" for the company, propelling Cortec® on to higher sustainability goals and improving efficiency. "It's our job to use our knowledge as environmental sustainability stewards to make the best possible business decisions through



. . . environmental management plans," he said. Specifically, the metrics system has helped CST and CCP test efficient use of natural resources and improve business production scale. Based on his experience with the metrics system, Derek encouraged others to give metrics tracking a try because it will prove surprisingly useful down the road for the small proportion of time they give to it. Watch the video here: https://widnr.widener.net/s/vtsxbwhfht/cortec-and-the-gt-form_final

Excitement Builds as Bionetix® Releases New Enzyme Line

It has been an exciting year for our biotechnology subsidiary, Bionetix® International, as they have been in the process of launching a new line of industrial enzyme concentrates. Even before all five enzyme products were released, the Bionetix® team sensed industry excitement at the InterClean convention last May when several companies were already asking for samples of the forthcoming products. Official releases started in May with the last enzyme (for now) coming out at the end of September / beginning of October. The enzymes were released as follows:



ECL3000™ (Cellulase) was the first enzyme concentrate, targeting cellulose and therefore many industries involving plant-based materials. ECL3000™ can be used in textile production, laundry detergents, paper making, and more.

ECL1000™ (Amylase) came next, an enzyme that helps break complex starches into smaller components. This action makes it useful in laundry detergents, ethanol production, and pretreatment of animal feed, among other activities.

ECL1200™ (Lipase) is a high-efficiency enzyme that works as a bio-catalyst for hydrolysis of fatty and oily substances. It, too, can be used for stain removal action in laundry detergents and also finds potential application in leather tanning and biodiesel production, among other uses.

ECP1611™ (Protease/Keratinase) comes in powder form and is designated for hydrolysis of both general proteins and keratin-rich substances. It is a powerful stain removal component and can also be used in leather processing, feed production, and waste management.

ECP1300™ (β-mannanase) targets mannans, which are becoming increasingly prevalent in processed foods and personal





care products. Mannan stains stick to fabric and attract other soils, making them extremely difficult to remove. ECP1300™ steps in as an important ingredient to enhance stain removal in detergents and also finds a variety of other uses throughout a range of industries.

All these enzymes are sourced from non-pathogenic microorganisms, representing yet another exciting outlet for harnessing the power of nature to clean up and improve the world around us!

Explore our line of manufacturer's additives and concentrates here: <https://www.bionetix-international.com/additives-and-concentrates/>

Recent Biobased Product Highlights

Are you looking for biobased technologies that you can implement into your normal routine? Several of our USDA Certified Biobased Products have recently found their way into press releases on boiler and turbine maintenance. Here's a look at some of the suggestions made.

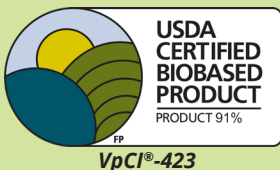
In August, we took the advice of our Certified Water Technologist, Scott Bryan, to beware of the dangers of scale forming in boiler systems. One aspect of treatment is scale prevention. The other aspect is removal of scale that has already formed. One way to accomplish this is with EcoClean® Biodegradable Scale and Rust Remover powered by Nano-VpCI™. This product contains 100% USDA certified biobased content and is good to apply every few years during routine maintenance. This product can also be used for turbine maintenance if scale buildup is an issue (as in geothermal plants). But if the big problem is turbine rust, you can opt for VpCI®-422 and VpCI®-423, two other USDA Certified Biobased Products, for rust removal via dip tank or gel application, respectively, and follow this up with a water rinse and neutralization with VpCI®-414. Click here to learn more about turbine care: <https://www.cortecvci.com/tips-for-restoring-rusty-turbines-to-tip-top-condition/>



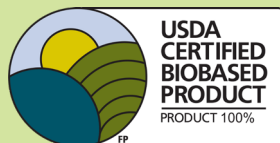
Boiler scale



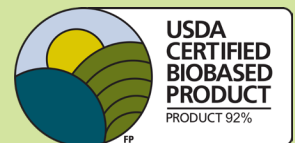
Turbine



VpCI®-423

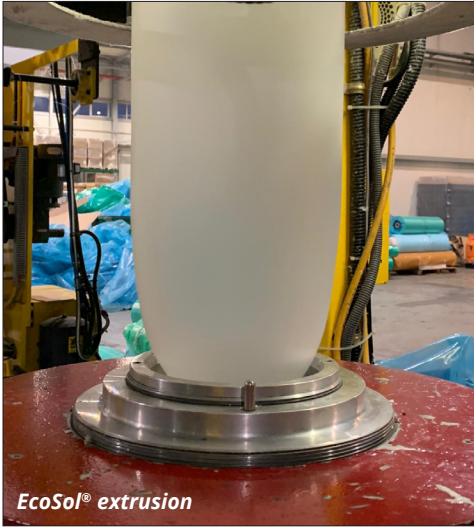


EcoClean® Biodegradable Scale and Rust Remover powered by Nano-VpCI™

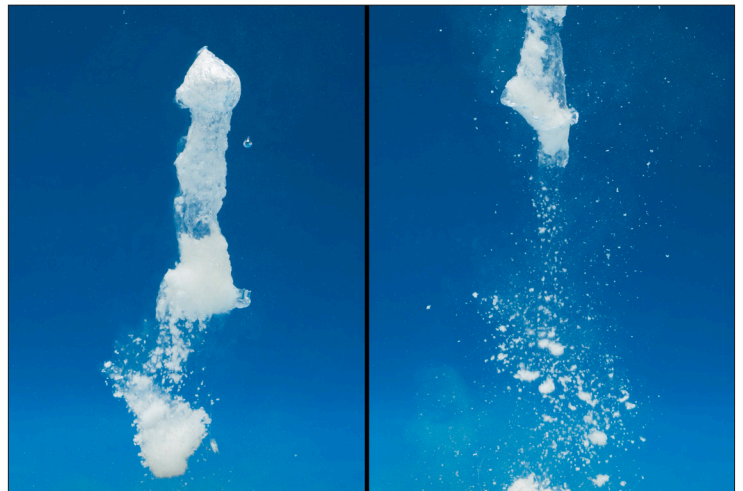
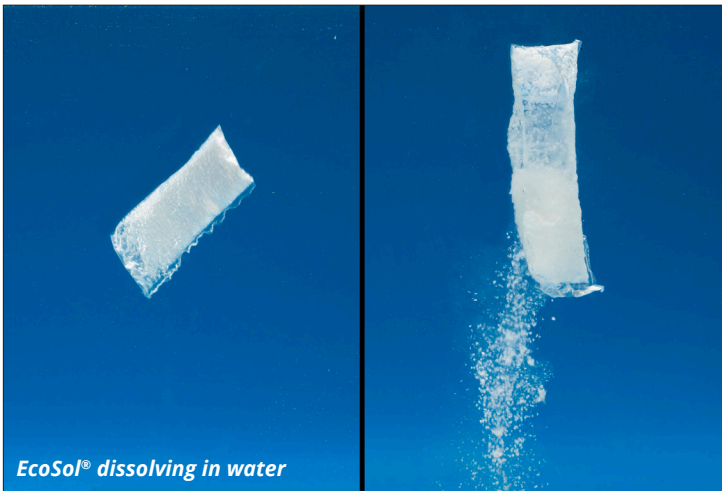


VpCI®-422

It's EcoSol® Season!



Fall and winter are EcoSol® season at Cortec® Advanced Films (CAF) in Cambridge, Minnesota. Why? Because manufacturing a water-soluble packaging film can be tricky in hot, humid Minnesota summers. With fall comes an obvious change in humidity when dry skin has you suddenly reaching for more hand lotion. This dry air is also ideal for manufacturing EcoSol® film that can be made into bags and pouches for detergents, concrete additives, laundry bags, and more. Packages made of EcoSol® dissolve in water in a matter of minutes, making them a great way to dose powder products and toss dirty laundry into the washing machine without direct handling of the contents. If you know someone looking for this type of packaging solution, be sure to remind them to take advantage of EcoSol® season! Learn more: <https://www.cortecvci.com/news-alert-in-need-of-water-soluble-bags-nows-a-great-time-to-order/>




UPCOMING EVENTS

ACI Concrete Convention

November 3rd-6th, 2024
Philadelphia Marriott Downtown
Philadelphia, PA
Booth #203
www.concrete.org/

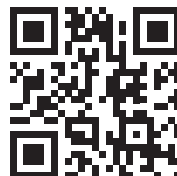


Cortec® World Sales Meeting

November 6th-8th, 2024
Saint Paul Hotel
Saint Paul, MN

<https://www.cortecvci.com/news-alert-save-the-date-for-the-cortec-2024-world-sales-meeting-in-november/>

NISTM 2024

December 10th-12th, 2024
The Woodlands Waterway Marriott
The Woodlands, TX
www.nistm.org/



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