

The LEADERS Edge



Products enduring time while preserving the earth.

New Products

BioClean™ Spray.

Cor-Pak® Fabric LD

VpCl™-394

VpCl™-429

Fall 2007



CORTEC
CORPORATION

Environmentally Safe VpCl™/MCl® Technologies

Greetings from the Lab....

Cortec® is celebrating our 30th year anniversary, which made this years World Sales Meeting an exciting event! Meetings were held June 13, 14, and 15 at the St. Paul Hotel.

The Lab always looks forward to meeting with our associates in person and in a different setting. This year the Lab had a blast putting together a skit with a game show theme using "The Price is Right" format: COME ON DOWN.... They asked questions pertaining to Cortec® and each table could lock in their answers and play along. We hope everyone in the audience had as much fun as we had on stage.

The meetings continued with many seminars including several presented by Lab personnel. This gave us the opportunity to provide essential Cortec® information; and the attendees were able to have questions answered immediately. The meetings also included a visit to Headquarters where there were tours of Cortec's laboratory facilities. We feel this is the best way to let everyone see how we do our daily research and development, technical service, testing, and customer service. We have a hard working team that coordinates multiple projects at all times.

As always, we look forward to answering any questions you may have.



New Products

Clean Green with

BioClean™ Spray

Mold and mildew have always been hazards to our health. Mycotoxin—the chief toxin produced by mold and other fungi—can be lethal. Here to remedy the problem is Cortec's newest addition to a long line of bio-based products: BioClean™ Spray. An environmentally friendly antimicrobial agent, it is excellent for removing mold and mildew while simultaneously providing protection against future buildup. This revolutionary product is completely nontoxic, made from renewable resources, and easy to use. Simply spray on the contaminated area and wait between 30 seconds and 10 minutes, depending on the level of contamination, and wipe clean with a damp cloth or rinse with clear water. Spray on again to prevent future mold and mildew accumulation, leaving a clean surface with no allergens or other health hazards. BioClean™ Spray is perfect for indoor applications and also works wonderfully when tackling demanding outdoor and marine mildew problems.



New Products

Ship Safely and in Style with

Cor-Pak[®] Fabric LD

In the manufacturing world, products rarely escape the shipping process at one point or another: be they in pieces or their final stage of production, almost all products are shipped. Because these products (metals especially) are sensitive to their surroundings, Cortec[®] is adding a new soldier to an already massive army of packaging products: Cor-Pak[®] Fabric LD. Cor-Pak[®] Fabric LD is a strong, non-woven fabric composed of a combination of synthetic and cellulose fibers. Uniting this material with vapor phase corrosion inhibitors (VpCITM), Cortec[®] has produced a fabric that not only provides excellent mechanical protection (against abrasion, scratching, staining, etc.) but also provides first-rate protection against corrosion. Cor-Pak[®] Fabric LD also offers moisture wicking properties to keep condensation off of parts and components during shipping. In addition, it is tear-resistant, 100% recyclable, non-toxic, and environmentally friendly.



New Products

Feel Safe and Secure with

VpCI™-394

From convenience stores to skyscrapers, from water crossings to suspension bridges, from the smallest vehicle to the largest jet, steel is an undeniable part of our lives. Structures such as these are humankind's triumphs over a world of cruel and corrosive elements. Here to aid in the ongoing battle against corrosion is Cortec®, providing a new product for a new purpose: VpCI™-394. Perfect for use on bridges, skyscrapers, water towers, and all structural steel, VpCI™-394 is the solution to your corrosion problem. This innovative new product is a high solids, aliphatic moisture cure urethane which should be applied on VpCI™-396 primer for best results. VpCI™-394 has outstanding UV protection and forms a very hard but very flexible coating that cures in the presence of moisture in the air. When applying to immersed structures, use over a CorrVerter®/ VpCI™-396 primer system.



New Products

Clean and Protect Your Metals and the Environment with

VpCI™-429

In an age of metals and alloys—in a world of salt and moisture—there is corrosion. Defined as “a deterioration of essential properties in a material due to reactions with its surroundings,” corrosion is a detrimental problem for everyone. It is necessary to not only erase rust from our metals, but to prevent it from ever returning as well. To solve this problem, Cortec® has produced VpCI™-429—an effective means of rust removal, cleaning and prevention. With many ideal characteristics, including a completely neutral pH and environmentally friendly chemistry, VpCI™-429 is perfect for cleaning and protecting the metals we use every day. This groundbreaking product is unique due to the fact that it not only removes rust but also protects the cleaned surface up to 4 weeks. There is no need after the rust removing application for neutralization or additional rust preventative material. Surfaces can be painted without any additional preparation. In most cases VpCI™-429 even acts as an adhesion promoter for coatings. Many other cleaners/rust removers promote bacteria growth in cleaning systems; VpCI™-429 does not support bacteria growth, but works as a biocide potentiator-increasing the efficiency of biocides. VpCI™-429 is 100% biodegradable, an excellent addition to VpCI™-422 and 426, and completely non-hazardous.



New Employee:

Liz Austin; Lab Technician

Cortec® Corporation welcomes Liz Austin as lab technician. She graduated from Ripon College, located in Ripon, Wisconsin. She double majored in Biology and Art.



Coming Soon

VpCI™-148

It provides total corrosion protection, the same as VpCI™-146 with added grease resistant and moisture proof properties.

VpCI™-149

An improvement of VpCI™-146, VpCI™-149 has all the benefits of its predecessor with the added benefits. It provides enhanced protection to metals and has a softer feel which is more conformable to metals.

VpCI™-381

Excellent water-based coating for chrome surfaces. Adheres, protects, and does not affect appearance.

VpCI™-407

Bioremediation cleaner, comprised of oil eating microbes, which biologically degrade petroleum hydrocarbons.

Anti-Skid Paper

With a thin layer of anti-skid coating, Cortec's Anti-Skid Paper prevents products from shifting around during shipping, providing added stabilization and protection.

EcoAir® 389

It takes the corrosion protection properties of VpCI™-389 to another level. Now available in an environmentally friendly aerosol spray, it is extremely simple to use and provides excellent outdoor protection.

News from Technical Service

Exposure of Cortec® coatings to various gaseous environments

We have recently tested both our permanent and temporary coatings in various gaseous environments and we have found that most of them will protect in these harsh conditions. The best coating for all three environments would be to use the VpCI™-396 with the VpCI™-386 topcoat.

VpCI™ CorrVerter® is also very good by itself and in combination with VpCI™-396. Temporary coatings VpCI™-368 D, VpCI™-368 M, VpCI™-389, VpCI™-391 perform pretty well in harsh environments. The following table shows the products performance in various environments.

Product	SO2	H2S	HCL
VpCI™-365	2	2	2
VpCI™-368	1	2	3
VpCI™-368 D	1	2	2
VpCI™-368 M	1	2	2
VpCI™-369	1	3	3
VpCI™-369 D	1	3	3
VpCI™-369 M	1	2	2
VpCI™-371	3	n/a	2
VpCI™-375	1	2	n/a
VpCI™-377 10%	1	3	2
VpCI™-384	n/a	2	n/a
VpCI™-386	1	1	n/a
VpCI™-389	1	2	2
VpCI™-389 1:1	1	2	3
VpCI™-391	1	2	2
VpCI™-396	2	2	1
VpCI™-396 w/ VpCI™-386	1	1	1
VpCI™-CorrVerter®	1	1	2
VpCI™-CorrVerter® w/ VpCI™-396	1	n/a	1

1 – No Corrosion

2 – No Corrosion underneath the coating Surface corrosion, chalking, condensation, staining or darkening

3 – Not recommended for that environment n/a – not tested

What would you like to see in the next Leading Edge?

We invite you to write us.

We value your input, and we are always interested in your suggestions on how we can better service you.

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Cortec®, VpCI™, VpCI™ Film Color of Blue®, VpCI-126®, VpCI-609®, VpCI-137®, VmCI-307®, Migrating Corrosion Inhibitors™, MCI®, MCI Grenade®, EcoWorks®, EcoAir®, Eco-Corr®, EcoLine®, EcoClean®, EcoShield®, EcoWeave®, EcoSpray®, EcoCoat®, Eco Emitter™, EcoSol®, Eco-Tie™, Eco-Card™, Eco-Shrink™, EcoWrap™, EcoFilm™, Cor-Mitt®, Cor-Pak®, CorShield®, Corrosorb®, CorWipe®, CorVerter®, Corr Seal®, CorLam™, Corr-Fill™, Corriube™, Electricorr®, MilCorr®, GalvaCorr®, Super Corr®, HPRS®, Boiler Lizard®, Cooling Tower Frog®, Closed Loop Tead®, Cooling Loop Gator®, Pine Tree Logo®, CR®, Metacor™, and Rust Hunter™ are trademarks of Cortec® Corporation.
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