

Editorial Contact:
Cortec® Advertising Agency:

Shannon Garrow
(651) 429-1100 Ext. 128

sgarrow@cortecvci.com

Company Contact:
Cortec® Corporation

Kären Brasile
(651) 429-1100 Ext. 601

kbrasile@cortecvci.com

Technical Contact:
Cortec® Corporation

Robert Kean
(651) 429-1100 Ext. 161

rkean@cortecvci.com



Attention: Editor

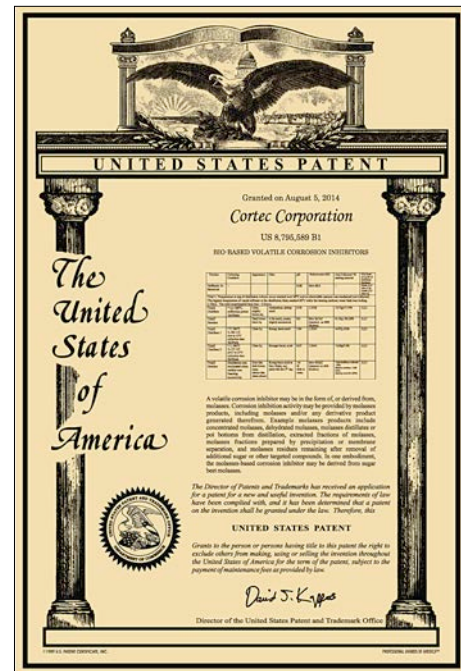
August 19, 2014

PRESS RELEASE



Cortec's "Bio-Based Corrosion Inhibitors" US Patent Number 8,795,589 Published August 5, 2014!

Back in 2010, Cortec® was the recipient of a Small Business Innovation Research (SBIR) Phase I Grant from the National Science Foundation (NSF) "Bio-Based corrosion Inhibitors" IIP-1013904. Under this project, Cortec® evaluated the feasibility of producing bio-based, environmentally benign products for the prevention and treatment of corrosion and scale from low-value agricultural by-product streams. Selected agricultural by-product materials (feed stocks) were screened for corrosion prevention as well as removal of scale and existing surface corrosion on steel, galvanized steel, copper, and aluminum.



The Cortec® Research and Development department was successful in identifying several novel materials with commercial potential. This recently issued US patent covers perhaps the most unexpected and most interesting result from the research project. The Cortec® inventors discovered that a Bio-based volatile corrosion inhibitor could be manufactured from a very

common product, molasses. Besides being bio-based and inexpensive, molasses and associated co-products are exceptionally safe for people and the environment.

One exciting product based on this technology is BioPouch™. A 28-month testing (*shown below*) shows that BioPouch™ provided excellent protection to carbon steel in an enclosure that was exposed to Minnesota outdoor through its historical cold winters, hot summers, and a wettest spring. Currently BioPouch™ is available in marketing trial phase.



Cortec® has long been a leader in the application of volatile corrosion inhibitors (primarily under the VpCI® brand). This new technology has promise for strengthening our product portfolio while “Raising the bar” on our competitors. With this invention, Cortec® continues its track record of technical leadership and innovation in the field of environmentally friendly and cost effective corrosion prevention technologies.

Commercial uses of this technology will continue to develop. The granting of this latest patent is ongoing proof of Cortec’s commitment to being on the cutting edge of environmentally friendly and cost effective corrosion prevention technologies. This patent raises Cortec® Corporation’s patent portfolio to 32 issued patents!

Need a High-Resolution Photo? Please Visit: www.cortecadvertising.com

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.