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Attention: Editor

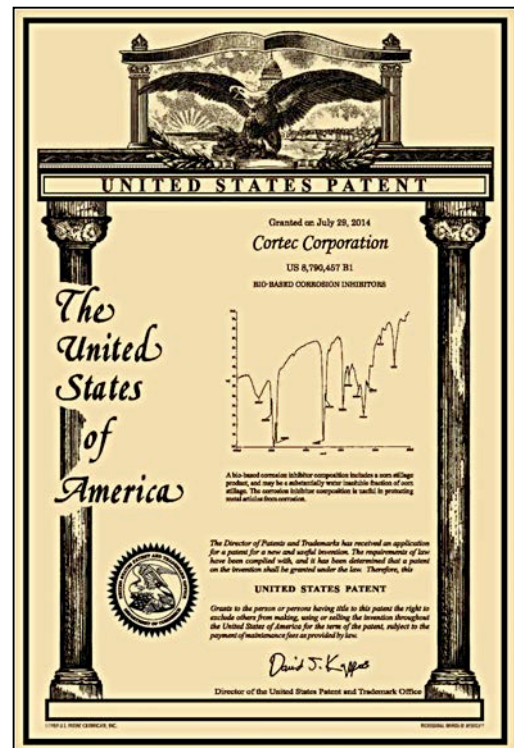
August 7, 2014

PRESS RELEASE



Cortec's "Bio-Based Corrosion Inhibitors" US Patent Number 8,790,457 Published July 29, 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 from low-value agricultural by-product streams for the prevention and treatment of corrosion and scale. 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. US patent number 8,409,340 "Bio-Based Corrosion Inhibitors" was the first patent granted from this work (published April 2, 2013). The recently

granted US 8,790,457 patent is a continuation of the above patent, giving Cortec® broader and stronger protections for this technology. These patents cover both compositions and methods of use for a water-insoluble (oily) corrosion inhibitor that can be extracted from corn ethanol stillage. The corrosion inhibitor is particularly useful in protecting steel from corrosion, and may be applied in combination with an acidic aqueous cleaning solution as a “float coat”.



Above: Panel removed from the solution containing corn stillage extract. This panel is covered with the thick film which basically acts as an air / moisture / salt barrier. This film is easily removed using VpCI®-418LM (non-foamy detergent).



Cleaned panel shows no corrosion on the surface.

Commercial uses of this technology are still being developed. 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 31 issued patents!

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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.

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