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PRESS RELEASE



Cortec’s “Anti-Corrosive Corn Extracts” US Patent Number 8,440,095 Awarded May 14, 2013!

US patent number 8,440,095 “Anti-Corrosive Corn Extracts” is the second of Cortec’s patents granted from the three that were filed on innovations from a 2010 Small Business Innovation Research (SBIR) Phase I Grant awarded to Cortec® by the National Science Foundation (NSF). With the advancements from this study, Cortec® will be producing ecological, costs competitive products that greatly reduce the environmental contamination associated with conventional corrosion control materials. This invention relates to corrosion inhibitors prepared as extracts from processed sustainable corn materials, a renewable resource, which will be developed into a biobased corrosion inhibiting deicer.



Environmentally harmful chloride salt deicing compounds are commonly used to melt snow and ice. However they are significantly increasing corrosion to metals in concrete structures, highways, bridges, and vehicles. Considering the above problem, there has been a continuing need for deicing compositions to effectively melt snow and ice yet reduce the corrosion and environmental contamination associated with conventional inhibitors. Cortec’s important discovery of this highly effective deicing formulation will help to protect the world’s aging infrastructures that are literally crumbling from government neglect and inattention to implementing corrosion control in their overall maintenance program.

Take the Minnesota 35W Bridge that failed on August 1, 2007 killing 13 and injuring 145. It had been built with an 80-year design life, but catastrophically failed after 40 years. In the years prior to the collapse, several federal government reports cited problems with the bridge structure and gave the I-35W Bridge a rating of "structurally deficient," citing significant corrosion in its bearings. Corrosion damage is not always visible, but nevertheless can lead to devastating failure, loss of life, loss of capital investment, and environmental damage.



Minnesota 35W Bridge after collapse August 1, 2007.

Cortec® is proud of this significant contribution that will be protecting the world's infrastructures and eco-systems.

Patents are legal articles and can be somewhat difficult, costly, and time consuming to obtain. Patent applications vary from country to country with the United States Patent and Trademark Office (USPTO) having the most stringent conventions and regulations. This patent is the 56th granted to Cortec® Corporation and the middle achievement of this hat-trick of patents from these findings.

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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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