

**Editorial Contact:**  
**Blue Leopard:**

Tomas Gardebring  
(952) 921-4945

[tomas@blueleopard.net](mailto:tomas@blueleopard.net)

**Company Contact:**  
**Cortec® Corporation:**

Gergana Kambitova-Tran  
(651) 429-1100 Ext 128

[gkambitova@CortecVCI.com](mailto:gkambitova@CortecVCI.com)

**Technical Contact:**  
**Cortec® Corporation:**

Jim Holden  
(804) 639-7644

[jholden@CortecVCI.com](mailto:jholden@CortecVCI.com)



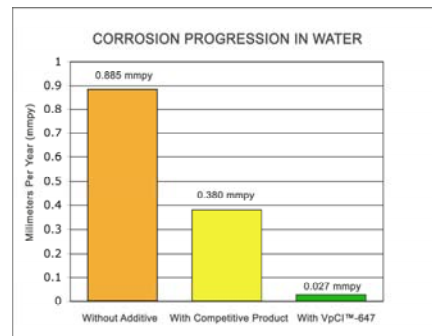
## **Attention: New Product Editor**

October 18, 2006

### **PRODUCT NEWS RELEASE**

## **Molybdate Free Additive Fights Scale Deposits, Sludge, and Corrosion**

Cortec's new additive VpCI™-647 offers a non-toxic, environmentally safe solution for fighting corrosion, scale deposits, and sludge. VpCI™-647 does not contain molybdate, heavy metals, nitrites, or inorganic phosphates compared to most of the products on the market that are toxic to work with and are prohibited in many countries and regions. This truly innovative product does not sacrifice operational efficiency or economy, and offers effective protection without the problems of fouling encountered in conventional non-chrome systems. VpCI™-647 is specifically designed for open loop cooling water systems, providing corrosion and scale deposits protection for ferrous and non-ferrous metals. Being molybdate free, VpCI™-647 offers cost saving benefits for its customer; it eliminates the costs for molybdate reduction and sludge disposal, reducing maintenance time and associated costs.



When Cortec's additive VpCI™-647 is added in a cooling system, it can reduce the corrosion rate up to 97%. VpCI™-647 is a non-toxic additive that prevents corrosion, scale deposits, and sludge.

VpCI™-647 is a combination of organic phosphorous compounds, polymers, aromatic azoles, and it utilizes Cortec's proprietary Vapor phase Corrosion Inhibiting (VpCI™) technology. This product provides both contact and vapor phase inhibition to protect the metals. First, VpCI™-647 forms a thin inhibiting film onto the metal surface to prevent corrosion and pitting to parts that are in direct contact with the solution. Second, its vapor phase action protects parts that are not in direct contact with the solution such as headspaces in standby systems. VpCI™-647 also incorporates an anti-scalant to maintain heat transfer efficiency.

VpCI™-647 is simple and easy to use. It is a clear amber liquid that is applied directly into the system and does not require premixing. VpCI™-647 is available in 5 gallon (19 liters) containers, 55 gallon (208 liters) drums, liquid totes, and bulk.

**Photos:** High-resolution photo of Cortec® VpCI-647 is available for download at:  
<http://www.blueleopard.net/cortecdownload/VpCI-647>

**Company Description:** Cortec® Corporation is a pioneer of environmentally friendly, corrosion protection Vapor phase Corrosion Inhibitors (VpCI™) & Migratory Corrosion Inhibitors (MCI®) Technologies for the Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas and other industries. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001 & ISO 14001:2004 Certified.

**Cortec Website:** [www.CortecVCI.com](http://www.CortecVCI.com) **Phone:** 1-800-426-7832 **FAX:** (651) 429-1122

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