

Editorial Contact:
Cortec® Advertising Agency

Jeni Duddeck
(651) 429-1100 Ext. 1114

jduddeck@cortecvci.com

Company Contact:
Cortec® Corporation

Julie Holmquist
(651) 429-1100 Ext. 1194

jholmquist@cortecvci.com

Technical Contact:
Cortec® Corporation

Rick Shannon
(651) 429-1100 Ext. 1146

rshannon@cortecvci.com



Attention: Editor
October 25, 2022
PRESS RELEASE



Prevent CUI with Cortec's New Injectable Vapor phase Corrosion Inhibitor!

Corrosion under insulation (CUI) is a longtime plague of petrochemical, refinery, and marine environments. The problem is so bad that an [estimated 40-60% of piping maintenance](#) costs in the oil and gas industry stem from CUI-related expenses. Even worse, undetected CUI on pipes carrying hazardous liquids may lead to leaks and potential explosions. To tackle this dangerous and costly problem, Cortec® Corporation has developed

[CorroLogic® CUI Inhibitor Injection](#), a new Vapor phase Corrosion Inhibitor technology that simplifies protection for insulated pipes reaching a high range of temperatures.



What Causes Corrosion Under Insulation?

CUI happens when moisture and other corrosive media enter insulation after water barrier wraps or jackets are compromised or when condensation builds up, often unnoticed, beneath the insulation. This is especially

a problem with piping that undergoes wet-dry or high-low temperature cycling. The threat of CUI is potentially even greater on offshore platforms or in other marine environments where chloride-rich sea spray can infiltrate the insulation. The longer CUI goes unnoticed, the more serious it becomes. Preventing or even arresting corrosion without disturbing insulation or equipment operation is ideal.

How to Prevent Corrosion Under Insulation



CorroLogic[®] CUI Inhibitor Injection is a new high-temperature 100% Vapor phase Corrosion Inhibitor (VCI/VpCI[®]) for protection against corrosion under insulation (CUI). As its name implies, CorroLogic[®] CUI Inhibitor Injection can be injected directly into insulating material. The corrosion inhibiting vapor migrates from the injection point along the pipe to form a [hydrophobic protective layer](#) on metal surfaces beneath the insulation. This passive layer is

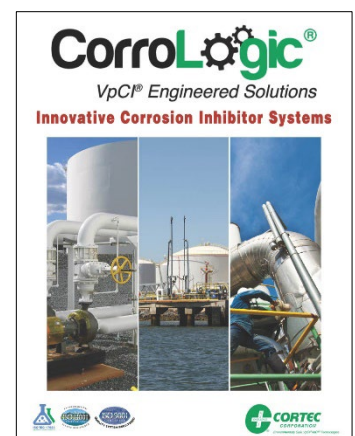
long-lasting, protects in the presence of chloride-containing moisture, and can withstand high temperatures up to 662 °F (350 °C).

Advantages of CorroLogic[®] CUI Inhibitor Injection

CorroLogic[®] CUI Inhibitor Injection offers an incredible advantage over other methods of CUI protection that can only be applied after removing insulation or before insulating new pipes. Maintenance personnel now have the convenience of applying protection under existing insulation, even on surfaces that reach high temperatures. This results in a wider timeframe in which to apply preventative measures, increasing the chances of inhibiting and arresting corrosion before it gets too serious.

Why Use Cortec's New CUI Inhibitor?

CUI has been an elusive enemy for years. Once piping is installed and insulation is in place, it is difficult to see and correct the problems that may be going on beneath the surface. Now, thanks to Cortec[®] Corporation, a more viable option exists to mitigate corrosion without removing insulation or seriously disturbing operations. CorroLogic[®] CUI Inhibitor Injection has the potential to help pipes last longer and minimize cumbersome repairs on insulated surfaces. Best of all, it reduces the risk for corrosion-related failures,



thus increasing overall plant safety while reducing maintenance costs. Contact Cortec® to learn more:

<https://corrologic.com/contact-us/>

Click here to see a demo video showing the hydrophobicity of CorroLogic® CUI Inhibitor Injection:

<https://youtu.be/ciyasehf6xk>

Keywords: CUI, corrosion under insulation, what causes corrosion under insulation, Cortec, corrosion inhibitors, vapor phase corrosion inhibitors, VCI, corrosion in oil industry, corrosion in marine environments, prevent CUI

Need a High-Resolution Photo? 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 9001:2015, ISO 14001:2015, & ISO/IEC 17025:2017 certified. Cortec® Website: <http://www.cortecvci.com> Phone: 1-800-426-7832 FAX: (651) 429-1122