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PRESS RELEASE



Meet Cortec's New Boiler Salamander™ for Wet Layup of High-Purity Steam Boilers

Cortec® is pleased to introduce a new addition to its “menagerie” of revolutionary corrosion solutions for industrial water treatment. The Boiler Salamander™ is a new boiler “animal” specifically designed for wet layup of high-

purity steam boilers. This ready-to-use liquid water treatment has little to no impact on steam purity, making it an excellent option for use in systems with deionized or reverse osmosis water. Potential applications include high-pressure steam systems, superheaters, super-critical boilers, and cyclic boilers at power plants.

Like any other boiler, these complex and expensive high-purity steam systems are at risk for corrosion during shutdown as oxygen comes in without the normal operating chemical program in place to protect the vessel. Results can be minor to serious, with the potential for clogging, leakage, or even failure. Aside from



the cost of repair or replacement, corrosion can mean that the equipment is not ready to bring online as soon as it is needed, causing a delay in whatever activity relied on that steam production.



Fortunately, the Boiler Salamander™ offers many advantages in addition to corrosion protection. Compared to other methods of layup, it is extremely simple and easy to use. There is no need to either drain or open the boiler at the beginning or end of layup. There is also less concern about oxygen ingress. Thanks to its contact and vapor-phase corrosion inhibiting action, the Boiler Salamander™ protects metals below and above the surface of

the water. The boiler therefore does not have to be kept “water solid” to avoid air pockets, and workers do not have to maintain high steam pressure or nitrogen pressure to keep oxygen out as the steam collapses during system cooling. Boiler Salamander™ is also better for safety because it does not contain any EPA or OSHA hazard components and allows workers to stay away from the hazards of nitrogen blanketing. The Boiler Salamander™ is effective at a very low dosage and can be easily added into feedwater or condensate lines.

Avoiding more complicated layup processes like those mentioned allows greater flexibility for bringing boilers back into service on short notice. This is especially important for cyclic boilers that frequently go in and out of service or redundant boilers that may be needed suddenly. Because Boiler Salamander™ does not require the high-purity steam boiler to be drained or refilled before bringing it online, workers can save significant time getting the boiler back into operation when demand arises.



Corrosion is real, but fortunately Boiler Salamander™ provides real solutions for protecting high-purity steam boilers. In addition to fighting corrosion, Boiler Salamander™ makes wet layup easy and flexible for workers who may need to bring boilers online at any moment.

Learn more about the new Boiler Salamander™ here:

<https://www.cortecvci.com/products/vpci-water-treatment-products/boiler-salamander/>

Contact Cortec® for help finding other practical water treatment solutions here:

<https://www.cortecwatertreatment.com/contact-us/>.

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CORTEC CORPORATION
 An Advanced Technology Water Treatment Solutions Provider

Boiler Salamander™ Boiler Salamander™

DESCRIPTION
 Boiler Salamander™ is a highly effective, water-soluble, non-toxic, and non-hazardous VpCI additive for wet layup corrosion protection. It is designed for use in a wide range of water systems, including cooling towers, condensate systems, and boiler feedwater. It provides long-term protection and is easy to apply. It is compatible with all major boiler materials and is safe for the environment.

PACKAGING & STORAGE
 Boiler Salamander™ is available in 5-gallon and 20-gallon plastic jugs. It is stable in storage and should be stored in a cool, dry place. Shelf life is 12 months.

USE AND APPLICATION
 Add 100 ppm of Boiler Salamander™ to the water system. For wet layup, add 100 ppm to the water used for cleaning and rinsing. For cooling towers, add 100 ppm to the makeup water. For boiler feedwater, add 100 ppm to the feedwater. For condensate systems, add 100 ppm to the condensate. For all applications, add 100 ppm to the water system.

FEATURES

- Inhibits all types of corrosion in all types of metal systems
- Safe for the environment
- Easy to apply and use
- Does not require pH or TDS adjustment

BENEFITS

- Prevents all types of corrosion
- No need to add inhibitors

METALS PROTECTED

- All metals

TYPICAL PROPERTIES

Appearance	Clear to light blue
Density	1.05 g/cm³ (65.0 lb/gal)
pH	7.0 - 8.0 (25°C)
Color	Clear to light blue

APPLICATION

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