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Attention: Editor

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PRESS RELEASE



CorShield® S 69 - Powered by Nano VpCl® - Environmentally Sound and Cost Effective Solution for Water Treatment Industries!



CorShield® S-69 are anticorrosion additives to water treatment formulations to replace chromates, nitrites, phosphonates, amines and other types of restricted corrosion inhibitors.

CorShield® S-69 are non-toxic, economical and readily water-soluble powders and liquids designed utilizing Cortec's revolutionary VpCl® technology. These corrosion preventatives are environmentally safe and cost efficient alternative to traditional corrosion inhibitor formulations. They efficiently prevent corrosion and pitting while being free of nitrites, phosphates, amines or heavy metals. Building blocks are effective in low concentrations thus make an economical solution and give products added market value. Utilizing CorShield® S-69 customers are able to eliminate expensive corrosion resistant materials.

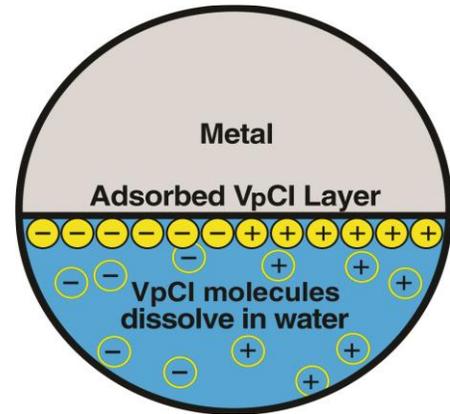
CorShield® S-69 Powders and Liquids are developed as corrosion prevention additives for the water treatment industry. These building blocks provide multimetal protection, including galvanized steel and yellow metals. The VpCl®s form a strong monomolecular layer on the metal surface that protects in all three phases: liquid, vapor, and the vapor-liquid interface.



As stated by Boris Miksic, Cortec®'s CEO: "CorShield S-69 is the most effective corrosion inhibiting building block commercially available with excellent environmental footprint".

CorShield®S-69 Powders and Liquids provide water treatment companies with the ability to incorporate Cortec® VpCI® technology into their specific formulations. The concentration of S-69 inhibitor in an application can be easily monitored with a molybdenum tracing kit, or with UV spectroscopy. A molybdenum-free version (S-69 PMF), and lower-pH version (S-69B,) of S-69P are also available.

CorShield® S-69 Powders and Liquids provide long-lasting multimetal protection to carbon steels, zinc, aluminum, stainless and galvanized steel, copper and other metals. They are effective for open and closed loop cooling systems. Building blocks can be used as a corrosion inhibitor additives in the majority of water treatment programs and are compatible with the majority of commercially available biocides and antiscalants.



Depicted mechanism of monomolecular level of corrosion protection with CorShield® S-69 .

CorShield® S-69 Powders and Liquids conform to NACE Standard RP0487-2000, ASTM G 5, ASTM G 31, EPA/600/4-90/027F. It is confirmed that this product is not an irritant by ViroMed BioSafety Laboratories.



US tire manufacturer had serious problems with general and pitting corrosion in East Temperature Control Unit (TCU). The visual appearance of the water in TCU was distressing. There was an obvious corrosion mechanism occurring, which has resulted in a significant amount of dissolved and particulate iron in the bulk water solution. CorShield® S-69 was added to the sump to help reduce corrosion in all three phases, liquid, interphase and vapor phase. After 24 hours there was a significant decrease in the pitting corrosion potential and the loop was recharged with fresh

water inhibited with Cortec®'s CorShield® S-69. Two years of continued implementation of Cortec®'s CorShield® S-69 based formulation has resulted in acceptable corrosion rates to customer's satisfaction. Currently this formulation is utilized in plant's both East & West TCUs.

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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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