

NEWS ALERT



How VpCI®-316 Can Keep More Pennies Shiny and in Your Wallet



In an effort to be more environmentally responsible and user friendly, Cortec® offers many alternatives to traditional oil- or solvent-based corrosion preventatives. One of these is VpCI®-316, a water-based corrosion preventative designed to replace corrosion inhibiting oils for copper. VpCI®-316 leaves behind a very thin, transparent, tack-free protective film that often does not need to be removed from the metal surface before further processing. VpCI®-316 protects copper, brass (<30% Zn), silver, and other copper alloys.

VpCI®-316 reduces the fire hazard associated with oil- and solvent-based compounds and offers economical protection due to a wide dilution range of 2-30% in water. It has been used to protect minted pennies from tarnishing and has been applied during heat quenching of highly porous sintered iron/copper/zinc brake shoes for cars. It can also be used


- For protection of raw metals in place of slushing oils after pickling and temper rolling prior to shipping
- For protection of manufactured components during process, storage, or shipment

With VpCI®-316, you can not only keep your pennies shiny – you can also save more “coppers” for your wallet by reducing costs on labor, hazardous waste disposal, and claims for corroded goods.

Learn more about this effective copper corrosion preventative here:

<https://www.cortecvci.com/products/vpci-metalworking-products/vpci-316-liquid-concentrate-primarily-for-copper-and-brass/>

VpCI®-316



In addition, VpCI-316 can help reduce or eliminate shipping, warehousing, disposal and removal expenses. In most applications, VpCI-316 will not need to be removed prior to welding or further processing.

The most unique property of VpCI-316 is that it contains Vapor phase Corrosion Inhibitors (VpCI) capable of protecting uncoated and unreachable surfaces such as stocks, coils, bundles, or packages.

FEATURES

- Replaces oils / solvent-based compounds
- Reduces the cost of protection when compared to oil / solvent-based inhibitors
- Eliminates fire hazard associated with oil / solvent-based compounds
- Contains non-toxic Vapor phase Corrosion Inhibitors (VpCI)
- Protects metals through a unique vapor phase action
- Prevents scratching and mechanical damage of plated and painted products and sticking of pre-painted coiled steel and sheets
- Environmentally friendly and containing no nitrites, phosphates, nor silicates
- Can be removed with water or any standard cleaning technique, if necessary
- Provides excellent protection for copper and brass
- Also available with UV additive

TYPICAL APPLICATIONS

RAW METAL STOCKS/STORAGE/SHIPPING
Use VpCI-316 after pickling, temper rolling or prior to shipping in place of slushing oils. VpCI-316 is ideal for protection of coils and sheets for customers requiring “dry” or uncoiled copper or brass.

PRODUCT DESCRIPTION
VpCI-316 is a water-based corrosion preventive concentrate designed to replace corrosion inhibiting oils for copper. When diluted with water before application, VpCI-316 produces a corrosion inhibiting and lubricating film, offering barrier and vapor phase corrosion protection.

VpCI-316 is a corrosion inhibitor that is completely soluble in water. VpCI-316 produces a very thin, transparent, tack-free film on the metal surface. The film produced is a unique synthetic lubricant which provides resistance to scratching and mechanical damage of finely machined parts. It is non-toxic, environmentally friendly and does not contain nitrite or phosphate inhibitors. VpCI-316 also provides sufficient lubrication for stamping and cutting processes.

VpCI-316 is supplied in concentrate form and is effective in a variety of dilutions from 2-30% in water. This wide dilution range allows VpCI-316 to provide excellent Vapor phase Corrosion protection for 1 to 24 months in the most economical way for a variety of applications.

CORTEC CORPORATION
Environmentally Safe VpCI®/MCI® Technologies

Cortec® Corporation is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control 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 and ISO 14001 Certified, and ISO 17025 Accredited.

