



## VpCI® ADDITIVES FOR WATER TREATMENT



# VpCI®-641



### PRODUCT DESCRIPTION

VpCI-641 liquid is a water-based, rust preventive additive for the protection of ferrous and non-ferrous metals in industrial waters. VpCI-641 is non-toxic, environmentally safe, and does not contain nitrite or phosphate inhibitors. Based on all organic components, VpCI-641 has the ability to protect at extremely low concentration levels. It is safe, economical to use, and easy to dispose of.

VpCI-641 contains a combination of contact and vapor phase corrosion inhibitors capable of protecting even partly filled spaces.

### FEATURES

- Non-flammable
- Non-toxic
- Contains no nitrites or phosphates
- Environmentally friendly
- Effective in low concentrations
- Economical
- Readily soluble in water
- Provides protection in wide temperature range (up to 203°F (95°C))

### METALS PROTECTED

- Carbon steel
- Stainless steel
- Aluminum
- Copper
- Brass

### TYPICAL APPLICATIONS

VpCI-641 is formulated to protect metals from corrosion caused by fresh water. The most typical application is addition of VpCI-641 to water during hydro testing. In some cases it can be utilized in cooling systems filled with fresh water.

For long-term post application protection, please use in combination with VpCI powders. For dosage rate consult Cortec representative.

### PHYSICAL PROPERTIES

Appearance	Slightly hazy off-white liquid
pH	7-8.5 (neat)
Non-volatile Content	24-37%
Density	8.5-8.7 lb/gal (1.02-1.04 kg/l)

### PACKAGING

VpCI-641 is available in 5 gallon (19 liter) plastic containers, 55 gallon (208 liter) metal drums, liquid totes, and bulk.

### CONDUCTIVITY CHART

Sample	Concentration	Conductivity with DI water	Conductivity with RO water
VpCI-641	250 ppm	~26 $\mu$ S	~30 $\mu$ S
VpCI-641	500 ppm	~45 $\mu$ S	~50 $\mu$ S
VpCI-641	1000 ppm	~84 $\mu$ S	~89 $\mu$ S
DI water	N.A.	~3 $\mu$ S	N.A.
RO water	N.A.	N.A.	~6 $\mu$ S



**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

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