



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. Use calcium free water if clearness of solution is desired.

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 μ S | ~30 μ S |
| VpCI-641 | 500 ppm | ~45 μ S | ~50 μ S |
| VpCI-641 | 1000 ppm | ~84 μ S | ~89 μ S |
| DI water | N.A. | ~3 μ S | N.A. |
| RO water | N.A. | N.A. | ~6 μ S |



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

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