



VpCI™ ADDITIVES FOR FORMULATORS

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 hydrotesting. 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.

DOSAGE

Hydrotesting with fresh water: 300-750 ppm

PHYSICAL PROPERTIES

Appearance	Slightly hazy off-white liquid
pH	7.0-8.5
Non-volatile Content	28-35%
Density	8.5-8.7 lb/gal (1.03-1.05 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 µS	~30 µS
VpCI-641	500 ppm	~45 µS	~50 µS
VpCI-641	1000 ppm	~84 µS	~89 µS
DI water	N.A.	~3 µS	N.A.
RO water	N.A.	N.A.	~6µS



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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