



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

LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



4119 White Bear Parkway, St. Paul, MN 55110 USA
Phone (651) 429-1100, Fax (651) 429-1122
Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
Internet <http://www.CortecVCI.com>

Distributed by:

printed on recycled paper  100% post consumer
Revised 2/21/07. Cortec Corporation 2001-2007. All rights reserved. Supersedes: 7/14/03.
VpCI® is a trademark of Cortec Corporation