

SURFACE PREPARATION PRODUCTS

VpCI®-414



PRODUCT DESCRIPTION

VpCI®-414 is a cleaner and degreaser that also removes temporary coatings such as Cosmoline™*, Cortec® VpCI®-368, VpCI®-388, VpCI®-389, and non-silicone-based waxes from metal and painted surfaces.

FEATURES

- Heavy-duty temporary coating remover
- Good for light oils and greases
- Will not affect painted surfaces
- Non-flammable
- Mostly used at room temperature, thus reducing energy consumption. Can also be used in a heated bath for removal of heavy hydrocarbons.
- Viscous liquid that will cling to ceilings and vertical surfaces in a ready-to-use formulation
- Can be used effectively at low concentrations.
- Provides corrosion protection after parts have been cleaned
- Protects metal in solution and above the liquid line on carbon steel

*Cosmoline™ is a registered trademark of Houghton International, Inc.

TYPICAL PROPERTIES

Appearance	Clear light yellow liquid
pH	10.9-11.4 (Neat)
Density (SG)	8.6-8.7 lb/gal (1.03-1.05 kg/l)
Non-volatile Content	18-25%

METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Cast Iron
- Galvanized Steel
- Brass (<30% Zn)
- Copper

PACKAGING

VpCI®-414 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

STORAGE

Minimum:	32°F (0°C)
Maximum:	120°F (49°C)

Self Life

Product shelf life is 2 years.

VPCI®-414 DILUTION RATIO CHART

	Volume VpCI®-414 per gallon	Volume VpCI®-414 per liter	Dosage (%)
Light Cleaning	6.4 ounces (~3/4 cup)	50ml	5
Medium Cleaning	12.8 ounces (~1.5 cups)	100ml	10
Heavy Cleaning	25.6 ounces (~3 cups)	200ml	20
Coating Removal	76.8 ounces (~9.5 cups)	600ml	60

CLEANING APPLICATIONS

Removing coatings, non-silicone based waxes, greases, and other heavily soiled equipment:

1. Spray apply VpCI®-414

VpCI®-414 can be applied at full strength or diluted. It is best applied by spraying or immersion. The most ideal dilution, where one would get an adequate coverage of wet film for vertical and under-hanging surfaces, is 40% water to 60% concentrate. VpCI®-414 can be sprayed with an airless or pump type sprayer, or used in a dip tank.

Let the product stand (wet) for 10-15 minutes, depending on the film thickness of the product to be removed and the length of time that the coating has cured. Reapplication may be required.

2. Removal of product and coating

The removal of the product and coating may be accomplished with a power washer at the following settings or even a common garden nozzle.

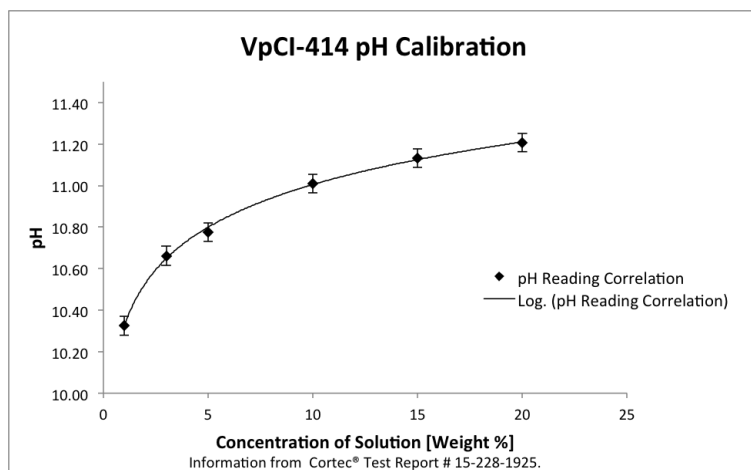
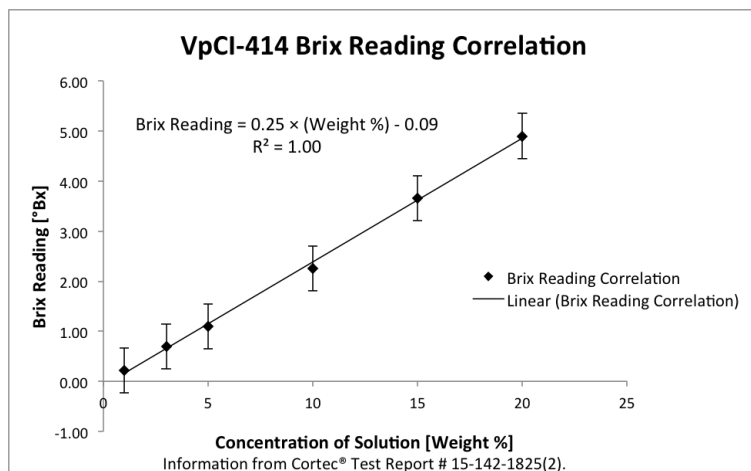
Pressure: 50-300 psi (3.4-21 bar)

Temperature: 115°-160°F (46°-71°C)

If coating removed is tacky or remains tacky in patches repeat step 1.

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

VPCI®-414 CALIBRATION CHARTS



Please note the solutions used above were created using deionized water. Slight differences in water chemistry (dissolved solids, hardness, etc.) may lead to differences in readings. Please use these numbers as reference only: Contact Cortec® Laboratories with any questions.

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
<http://www.cortecvci.com>

Printed on recycled paper  100% post consumer

Revised: 07/23/18. Supersedes: 06/14/16. ©Cortec Corporation 2002-2018 of Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. 2018, ©Cortec Corp. ISO accreditation applies to Cortec's processes only.

Distributed by:



Valdamark Ltd

Unit 13,
30 The Downs,
Altrincham, Cheshire, WA14 2PX,
United Kingdom.
info@valdamarkdirect.com
Tel: +44 (0) 161 706 0388