

ROHS  
COMPLIANT



## SURFACE PREPARATION PRODUCTS

# VpCI™-415



### DESCRIPTION

VpCI-415 is a heavy-duty biodegradable water-based alkaline cleaner and degreaser offering unique flash corrosion protection. VpCI-415 can provide corrosion protection for up to 6 months during indoor storage. VpCI-415 is formulated to meet the requirements for cleaning and corrosion protection of aircraft.

The compounds contained in VpCI-415 function by altering hydrocarbons so that the deposits can be removed with water. VpCI-415 can be metered into power washers, steam cleaners, dip tanks and other cleaning equipment. Along with good detergent properties, VpCI-415 is hard water stable.

While most cleaning compounds available on the market today are simple blends of surfactants and detergents which limit their cleaning effectiveness, VpCI-415 offers improved cleaning plus multimetal corrosion protection action in one step, resulting in significant savings. VpCI-415 has the unique ability to remove such deposits as heavy hydrocarbons, grease, drawing, buffing machinery compounds.

### FEATURES

- Biodegradable
- Heavy-duty chemical cleaner and degreaser with unique cleaning action for removing hydrocarbon deposits
- Provides temporary multimetal corrosion protection
- Provides exceptional resistance to pitting corrosion
- Non-toxic, non-corrosive and does not contain nonylphenolethoxylates
- Provides excellent cleaning action at low temperatures
- Mild foaming
- Exhibits hard water tolerance
- Formulation remains stable during freeze-thaw cycle
- Tested to:

MIL-PRF-87937D  
ASTM D 2240  
ASTM F 483-90  
ASTM F 484-93  
ASTM F 485-98  
ASTM F 502-93 F  
ASTM F 519-93 Type 1C  
ASTM F 1104-87  
ASTM F 1110-90  
ASTM F 1111-88

## EFFECTIVE USES

- Aircraft
- Machinery contaminated with oils
- Sheet metal coated with temporary protective oils or waxes prior to painting
- Metal parts contaminated with stamping, drawing or buffing compounds

## APPLICATION

VpCI-415 can be applied with any conventional equipment including sprayers, dipping tanks, steam cleaners and power washers.

Heavy-duty Cleaning and Corrosion Protection:

1 part VpCI-415 to 4 parts water.

Normal Cleaning (i.e. parts washing):

1 part VpCI-415 to 10 parts water.

Light Cleaning (i.e. rinsing):

1 part VpCI-415 to 20 parts water.

## PROPERTIES

Appearance	Clear yellow liquid
pH	8.0-8.7 (Neat)
Density	8.2-8.3 lb/gal (0.98-1.00 kg/l)
Non-volatile Content	7-12%
BOD/COD	>0.6

## PACKAGING

VpCI-415 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes and bulk. VpCI-415 has a shelf life of 24 months.

## 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.**



Distributed by:

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](mailto:info@cortecvci.com)  
Internet <http://www.cortecvci.com>

printed on recycled paper  100% post consumer  
Revised 1/3/08. ©Cortec Corporation 2000-2008. All rights reserved. Supersedes: 8/14/07.  
Cortec® is a trademark of Cortec Corporation.

© 2000-2007, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited.