

# VpCl<sup>®</sup>-405

## PRODUCT DESCRIPTION

VpCl-405 is a phosphate free cleaner and degreaser designed to clean light oils, greases and carbon deposits. VpCl-405 can provide corrosion protection of up to 3 months to ferrous and non-ferrous metals. VpCl-405 can be metered into power washers, steam cleaners, dip tanks, and other cleaning equipment.

While most cleaning compounds available on the market today are simple blends of surfactants and detergents which limit their cleaning effectiveness, VpCl-405 offers improved cleaning plus multimetal corrosion protection action in one step resulting in significant savings.

## FEATURES

- Phosphate-free cleaner
- Heavy-duty cleaner and degreaser
- Excellent for light oils and greases
- Will not affect painted surfaces
- Non-flammable
- Remains active even if left to dry
- Mostly used at room temperature, thus reducing energy consumption. Can also be used in a heated bath for heavy hydrocarbons.
- Viscous liquid that will cling to ceilings and vertical surfaces in a ready-to-use formulation
- No special protective equipment needed for application
- Provides corrosion protection after parts have been cleaned
- Protects carbon steel in solution and above the liquid line
- Will foam if put under high pressure to improve cleaning ability

## TYPICAL PROPERTIES

Appearance	Clear light yellow liquid
pH	10-12 (1% in water)
Usage	1% - 50%
Density (SG)	8.5-8.6 lb/gal (1.02-1.03 kg/l)
Non-volatile Content	8-10%

## METALS PROTECTED

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

## PACKAGING

VpCl-405 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)

**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 7/9/12. ©Cortec Corporation 2005-2012 Supersedes:4/13/05  
© 2012, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited. ISO accreditation applies to Cortec's processes only.