



## SURFACE PREPARATION PRODUCTS

# VpCI-419

### DESCRIPTION

VpCI-419 is a heavy-duty cleaner and degreaser concentrate developed to meet the needs of those responsible for cleaning industrial, oilfield, commercial and marine equipment. There are many cleaning compounds on the market today, but few are as advanced as VpCI-419. VpCI-419's heavy-duty action is due to its chemical nature which alters the composition of deposits, making them removable with water. This cleaner has the unique ability to remove difficult to clean deposits such as heavy hydrocarbons, grease, drawing and buffing compounds and mill and machinery oils.

In addition, VpCI-419 contains vapor and contact corrosion inhibitors, which protect ferrous metals from flash corrosion. VpCI-419 can be metered into power washers, steam cleaners, etc. VpCI-419 is a high solids, low viscosity product which reduces transportation and handling costs for industrial applications. VpCI-419 also saves on energy costs required for the hot alkaline cleaners presently used in the industry.

### FEATURES

- Heavy-duty chemical cleaner and degreaser.
- Exhibits excellent detergency and hard water tolerance.
- Unique cleaning action through solubilizing hydrocarbon deposits and dirt.
- Does not contain hazardous nonylphenoethoxylates.
- Non-toxic, phosphate ester free.
- Provides excellent cleaning action at low temperatures, thus affording energy savings over hot alkaline cleaners.
- Highly cost effective.
- Provides corrosion protection to ferrous metals.

### TYPICAL APPLICATIONS

- Machinery, engines or tank cars coated with grease or oil deposits.
- Plate and sheet metal covered with stamping and drawing fluids, or oil films prior to painting or pickling.
- Machined parts contaminated with cutting fluids prior to assembly.
- Concrete floors, plastics, wood, glass.
- Oilfield tools, pipes, tanks and vessels.
- Refinery vessels, heat exchangers, pipes, etc.

### APPLICATION

VpCI-419 can be applied with any convenient cleaning equipment including power washers, steam cleaners, sprayers and dipping tanks. VpCI-419 is diluted according to the type of deposit. Allow VpCI-419 to remain on surface to penetrate the deposits, and then remove with steam or pressurized water. VpCI-419 can also be used in floor scrubbers.

*Mix or stir before use.*

*Heavy-duty Cleaning (i.e. heavy equipment)*  
Use 1 part VpCI-419 to 9 parts water by weight (10%).

*Normal Cleaning (i.e. parts washing)*  
Use 1 part VpCI-419 to 9.99 parts water by weight (1-10%).

## PROPERTIES

Appearance	Clear yellow to brown liquid
Exposure Time	20 seconds to 60+ minutes
Non-volatile Content	18-23%
pH	12.5-13.5
Density	9.2-9.3 lb/gal (1.10-1.12 kg/l)
Working Concentration	1% to 10% by weight with water
Working Temperature Range	50°-300°F (10°-149°C)

## PACKAGING/STORAGE

VpCI-419 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, totes and bulk.

Minimum storage temperature: 32°F (0°C)  
Maximum storage temperature: 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  10% post consumer

Revised 6/13/06. Cortec Corporation 2000-2006. All rights reserved. Supersedes: 10/6/00.  
© 2000-2006, Cortec Corporation. All Rights Reserved. Copying of these materials in any form without the written authorization of Cortec Corporation is strictly prohibited.