



## SURFACE PREPARATION PRODUCTS

# VpCI<sup>®</sup>-423 Gel

### PRODUCT DESCRIPTION

VpCI-423 is a rust remover that is harmless to people while effectively removing rust and tarnish from steel, iron, copper, brass, chrome, and aluminum. VpCI-423 removes corrosion from metal without creating waste disposal difficulties.

When used as recommended, VpCI-423 will not harm human skin or adversely affect most paints, plastics, wood, textiles, ceramics, or rubber. Removing corrosion from metal is easy. Apply VpCI-423 and rinse with water then use Cortec<sup>®</sup> VpCI-414 or VpCI-419 for added protection.

VpCI-423 is completely organic and 100% biodegradable, and does not have special disposal requirements for typical use. Waste treatment may be required if a sufficient quantity of pollutants (oil, solvents, dirt, grease) are introduced into the chemical solution.

Unlike conventional rust removers which can be extremely dangerous to use, handle, and store; VpCI-423 is so mild that minimal protective covering is needed. In addition, the non-toxic, non-flammable formulation has no pungent acid fumes. Being nearly odorless and extremely mild makes VpCI-423 easy to use.

VpCI-423 is formulated to stay in place for special applications that require the chemical to cling to vertical surfaces or the underside of horizontal surfaces. VpCI-423 makes it easy to remove rust from tanks, vessels, outdoor machinery and equipment, walls, fences, railings, and vehicles.

### FEATURES

- Removes rust and corrosion from ferrous and non-ferrous metals
- Prevents flash rusting
- Completely organic and biodegradable
- Non-polluting and environmentally acceptable for easy disposal
- Loosens rust-frozen parts
- Cleans rust stains from painted, wooden, and other surfaces
- Safe to handle, use, and store
- No adverse effects on most paints, plastics, wood, textiles, ceramics, and rubbers
- Safe, non-toxic, non-flammable formulation and mild odor makes it ideal for in-plant use
- Gel form allows application on vertical or upside-down horizontal structures
- Accepted by USDA for use as an acid cleaner in food plants (indirect contact with food)
- NSN 6850-01-482-4536

### TYPICAL APPLICATIONS

- In-process rust removal for parts and metal stock
- Interior and exterior surfaces of tanks and vessels
- Outdoor machinery and equipment
- Trucks, cars and other vehicles
- Automotive, marine and farm parts and equipment
- Fences, railings, and walls
- Tools, locks, and rust-frozen parts

## APPLICATION

VpCI-423 can be applied using spray equipment, including air and airless spray, as well as by brush dip.

For spray, brush, or roll-on applications; remove loose rust. Then apply VpCI-423 concentrate to the surface, let product stand for 10-15 minutes and rinse with Cortec® VpCI-410 series (typically, little or no rubbing is required). Reapply if necessary. Medium and heavy rust will take somewhat longer.

For dip application; remove heavy deposits, loose rust, or tarnish. Soak part(s) in tank as long as required to remove corrosion. Remove from tank and rinse with Cortec® VpCI-410 series (VpCI-414/416) for added protection.

Increasing temperature up to 110°F (43°C) will speed the cleaning process.

## PHYSICAL PROPERTIES

Appearance	Dark brown gel
Non-volatile Content	36-45%
Density	9.6-10.0 lb/gal (1.16-1.19 kg/l)

## RECOMMENDED SPRAY APPLICATION

For good atomization and spray pattern, use the following:

- Graco Air Assisted Airless High Pressure Gun, Model AA Plus
- Pump - 41:1 SST Bulldog, SP 5 gallon (19 liter) Ram with ram SSP plate extension
- Adapter - SST ram plate or 55 gallon (208 liter) DP ram and SST ram plate
- Tip - 715 (SST)
- Hose - 3/8" x 25' Teflon (5 cm x 7.6 m)
- Cap - Standard with high flow needle and seat operating pressure of 3300 psi (228 bar)
- Filter - HP SST 100 mesh

## PACKAGING AND STORAGE

VpCI-423 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. Store in a heated warehouse to avoid freezing.

## 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

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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  
Internet www.cortecvci.com