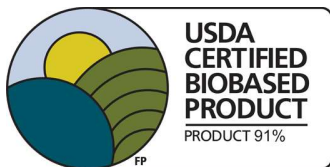


SURFACE PREPARATION PRODUCTS



VpCI®-423



PRODUCT DESCRIPTION

VpCI®-423 is a water-based gel that effectively removes rust and oxides from steel, iron, brass, and copper. When used as recommended, VpCI®-423 will not adversely affect most paints, plastics, wood, textiles, ceramics, or rubber. VpCI®-423 is formulated to cling on vertical and overhead surfaces for rust and oxide removal in difficult-to-reach spaces.

VpCI®-423 contains flash corrosion inhibitors to prevent flash corrosion during the rust and oxide removal process. After rust removal, rinse the area thoroughly with water, then use Cortec® VpCI®-414 or similar alkaline cleaners to ensure a clean, corrosion free metal surface.

VpCI®-423 is NSF (A3) registered, acceptable for use for indirect food contact. It contains 91% USDA certified biobased content and qualifies for Mandatory Federal Purchasing in the USDA BioPreferred®

FEATURES

- Prevents flash rusting
- No adverse effects on most paints, plastics, wood, textiles, ceramics, and rubbers
- Formulated for rust and oxide removal on vertical and overhead surfaces
- Completely organic and readily biodegradable
- NSF (A3) registered. Acceptable for use as an acid cleaner in and around food processing areas for indirect food contact.
- Contains 91% USDA certified biobased content
- NSN 6850-01-482-4536

TYPICAL APPLICATIONS

- In-process rust removal for parts and metal stock
- Rust removal in hard-to-reach, vertical, and overhead locations
- Automotive, marine, and manufacturing equipment

APPLICATION

VpCI®-423 can be applied using conventional or airless spray equipment or by brush. Remove loose or flaking rust and then apply VpCI®-423 to the surface. Let the product stand for 10-15 minutes and rinse with Cortec® VpCI®-414 or a similar alkaline cleaner. Retreat rust as necessary (heavy rust may take more than one treatment).

PHYSICAL PROPERTIES

| | |
|------------|----------------------------------|
| Appearance | Dark Brown Gel |
| pH (Neat) | 2.3 |
| Density | 9.6-10.0 lb/gal (1.16-1.19 kg/L) |

Toxicological Testing Results

| Species | NOEC/LOEC ppm | 48-hrs LC50* ppm |
|--------------|---------------|------------------|
| M. beryllina | 100/1000 | 316 |
| M. bahla | 100/1000 | 316 |

* LC50/EC50-50% of Lethal concentration/50% of Effective Concentration respectively



PACKAGING AND STORAGE

VpCl®-423 is available in 5 gallon (19 L) pails, 55 gallon (208 L) drums, liquid totes, and bulk.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf Life: 2 years.

**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**

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 productinfo@cortecvci.com
<http://www.cortecvci.com>

Revised: 04/26/22. Supercedes: 11/23/20. ©Cortec Corporation 2002-2022 of Cortec® Corporation. All Rights Reserved. Copying and/or manipulation of these materials in any form without the written authorization of Cortec® Corporation is strictly prohibited. 2022. ©Cortec Corporation. ISO accreditation applies to Cortec's processes only.