



## SURFACE PREPARATION PRODUCTS

# VpCI<sup>®</sup>-416

### DESCRIPTION

VpCI-416 is a heavy-duty water-based alkaline cleaner and degreaser offering unique flash corrosion protection. VpCI-416 can provide corrosion protection for up to 6 months during indoor storage. VpCI-416 is formulated to meet the requirements for cleaning and corrosion protection of parts and storage equipment. VpCI-416 penetrates to remove greases and oil deposits from machinery, engines, vehicles, construction equipment, and cranes in either industrial or marine applications.

The compounds contained in VpCI-416 function by altering hydrocarbons so that the deposits can be removed with water. VpCI-416 can be metered into power washers, steam cleaners, dip tanks, and other cleaning equipment. Along with good detergent properties, VpCI-416 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-416 offers improved cleaning plus multimetal corrosion protection action in one step, resulting in significant savings. VpCI-416 has the unique ability to remove such deposits as heavy hydrocarbons, grease, drawing and buffing compounds, and machinery compounds.

### FEATURES

- Heavy-duty chemical cleaner and degreaser with unique cleaning action for removing hydrocarbon deposits
- Multimetal corrosion inhibitors leave a temporary protective coating, affording protection for a few months at 5% minimum concentration\*
- Provides exceptional resistance to pitting corrosion
- Non-toxic, non-corrosive, and does not contain nonylphenolethoxylates
- Provides excellent cleaning action at low temperatures
- Mild foaming
- Effective cleaner at low concentrations (1-3%)
- Exhibits hard water tolerance
- Formulation remains stable during freeze-thaw cycle
- Accepted by USDA for general cleaning in food plants (indirect contact with food)

\*The estimated time of protection may vary due to conditions.

### EFFECTIVE USES

- Machinery contaminated with oils
- Sheet metal coated with temporary protective oils or waxes prior to painting, pickling, or machining
- Metal parts contaminated with stamping, drawing, or buffing compounds
- Use as an effective additive for rinse tanks to improve protection for dry storage application (5-10% by weight)
- Multiple stage parts washers

## APPLICATION

VpCI-416 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-416 to 5-10 parts water.

Normal Cleaning (i.e. parts washing):  
1 part VpCI-416 to 10-40 parts water.

Light Cleaning (i.e. rinsing):  
1 part VpCI-416 to 40-150 parts water.

## PROPERTIES

Appearance	Slightly hazy yellow liquid
Exposure Time	20 seconds to 5 minutes
pH	11.5-12.5 (Neat)
Density	8.6-8.8 lb/gal (1.03-1.05 kg/l)
Temperature Range	50°-300°F (10°-149°C)
Non-volatile Content	18-23%

## PACKAGING

VpCI-416 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

## 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**

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