

## SURFACE PREPARATION PRODUCTS

# VpCI®-418 L / VpCI®-418 LM Heavy Duty Alkaline Cleaners



## DESCRIPTION

VpCI®-418 L/418 LM are non-foaming, heavy-duty alkaline cleaners/degreasers for cleaning industrial, oil field, commercial, and marine equipment. VpCI®-418 L/418 LM are designed for power-washing machinery, high-agitation parts washers, and high-pressure spray washers.

VpCI®-418 L/418 LM are non-flammable, nitrite-free, and do not present disposal problems associated with most phosphate cleaners.

VpCI®-418 L/418 LM contain inhibitors to protect metal parts from corrosion after cleaning. They have a unique ability to remove difficult deposits such as heavy hydrocarbons, greases, drawing and buffing compounds, and mill and machinery oils.

## FEATURES

- Nitrite-free
- Will not affect paint adhesion qualities
- Safe to use on glass and most plastics
- Non-foaming
- VpCI®-418 LM is silicate free and leaves behind no residue

## BENEFITS

- Offers unique cleaning action for removing hydrocarbon deposits
- Prevents flash rust
- Provides multimetal corrosion protection

## APPLICATION

Effective Uses:

- Machinery, engine blocks, or forgings coated with grease or oil deposits
- Plate, sheet metal, and metal castings covered with oily films prior to painting or pickling
- Metal parts contaminated with stamping, drawing, or buffing compounds
- Pressure washing

VpCI®-418 L/418 LM can be applied using power washers and sprayers. It requires mechanical action to be effective.

Mix VpCI®-418 L/418 LM into water until fully dissolved. Take pH and refractometer measurements to establish benchmark readings.

## VpCI®-418 L / 418 LM DILUTION RATIO CHART

	Volume VpCI®-418 L / 418 LM (US) per gallon water	Volume VpCI®-418 L / 418 LM (Metric) per liter water	Dosage (%)
Light Cleaning	6.4 ounces (~3/4 cup)	50ml	5
Medium Cleaning	12.8 ounces (~1.5 cups)	100ml	10
Heavy Cleaning	25.6 ounces (~3 cups)	200ml	20

## METALS PROTECTED

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

## TYPICAL PROPERTIES

### *VpCI®-418 LM*

Appearance	Yellow to amber clear liquid
pH	10.0-10.5 (1% aqueous)
Density	8.6-8.8 lb/gal (1.03-1.05 kg/L)

### *VpCI®-418 L*

Appearance	Slight hazy yellow liquid
pH	11-12 (1% aqueous)
Non-Volatile Content	8-12%
Density	8.8-9.0 lb/gal (1.07-1.08 kg/L)

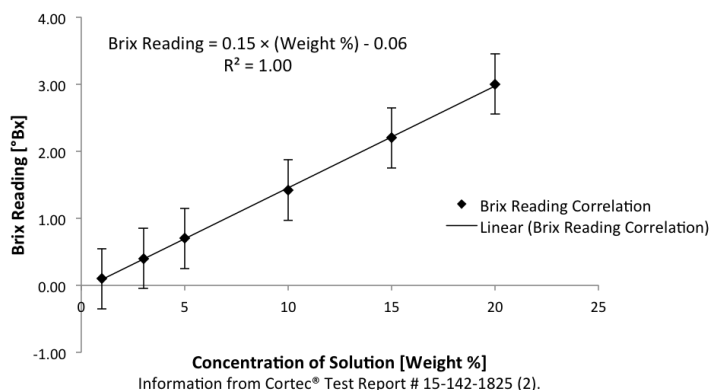
## PACKAGING AND STORAGE

VpCI®-418 LM and VpCI®-418 L are available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

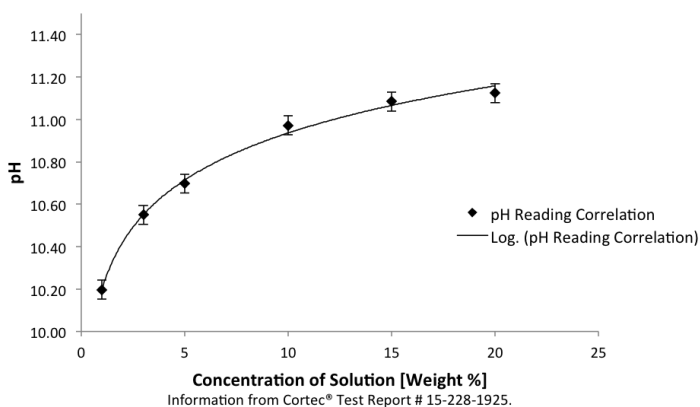
To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years.

### Brix Reading Correlation (VpCI®-418LM)



### pH Calibration (VpCI®-418LM)



(Please contact Cortec® Technical Service for VpCI®-418 L Brix and pH charts.)

Please note the solutions used above were created using deionized water. Slight differences in water chemistry (dissolved solids, hardness, etc.) may lead to differences in readings. Please use these numbers as reference only; contact Cortec® Laboratories with any questions.

## 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**

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