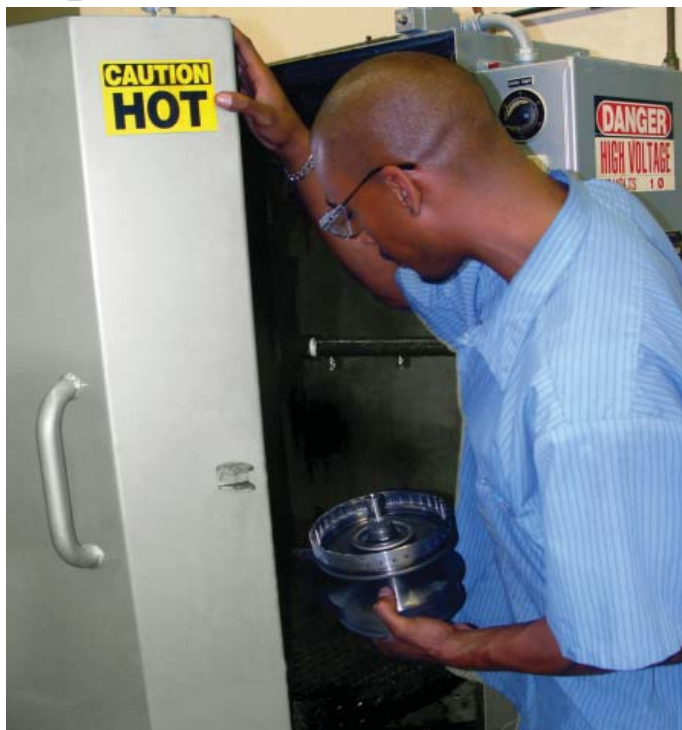




## SURFACE PREPARATION PRODUCTS

# VpCI-418 Heavy Duty Alkaline Cleaner VpCI-418 LM



### DESCRIPTION

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

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

VpCI-418L/418LM 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

- Heavy-duty alkaline cleaner and degreaser with unique cleaning action for removing hydrocarbon deposits
- Nitrite- and amine-free
- Contains an inhibitor package for multimetal protection

- Requires mechanical action to be effective
- Leaves no residual film and will not affect paint adhesion qualities
- Prevents flash rust
- Safe to use on glass and most plastics
- Non-foaming
- VpCI-418 LM is silicate free, giving the maximum surface cleanliness after cleaning

### 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

### APPLICATION

VpCI-418L/418LM can be applied using power washers and sprayers.

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

### RECOMMENDED DILUTIONS

#### *Light cleaning:*

Use 3-5% (by weight) VpCI-418 Liquid or VpCI-418 LM in water.

#### *Normal cleaning:*

For machinery, rail cars, offshore equipment and tanks contaminated with medium deposits, use 5-7% (by weight) VpCI-418 Liquid or VpCI-418 LM in water.

#### *Heavy-duty cleaning:*

For drilling mud, grease, crude, bilges, concrete surfaces and structures, use 7-10% (by weight) VpCI-418L/418LM in water.



**Steam cleaning:**

Use 3-5% by weight VpCI-418L/418LM in water.

**Temperature range:**

VpCI-418L/418LM are recommended for use in temperatures ranging from 95°-160°F (35°-71°C).

**PROPERTIES**

**VpCI-418 LM**

Appearance	Yellow to amber clear liquid
pH	10.1-10.6 (1% aqueous)
Non-volatile Content	8-10%
Density	8.6-8.7 lb/gal (1.03-1.04 kg/l)

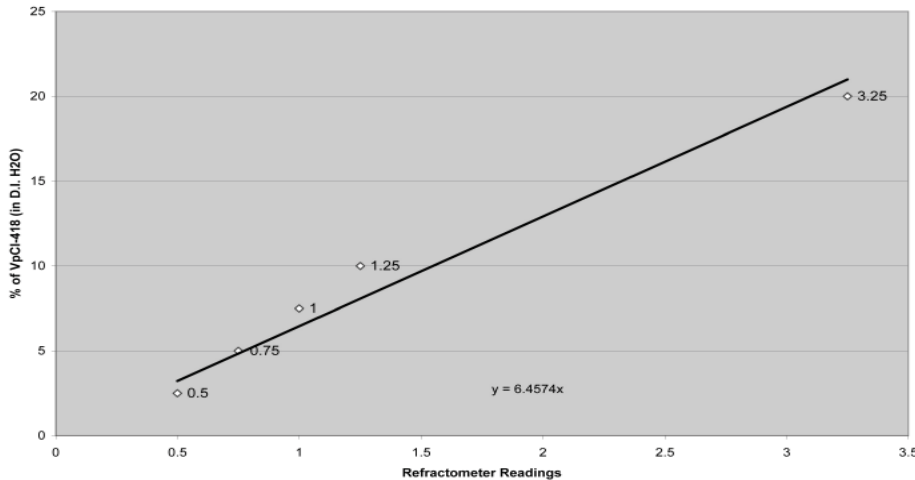
**VpCI-418 Liquid**

Appearance	Slight hazy yellow liquid
pH	11-12 (1% aqueous)
Non-volatile Content	8-11%
Density	8.9-9.0 lb/gal (1.07-1.08 kg/l)

**PACKAGING**

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

**Figure 1. The refractometry readings for VpCI-418 dilutions.**



\*Multiply Refractometer reading by Refractometer index to determine concentration.

**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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