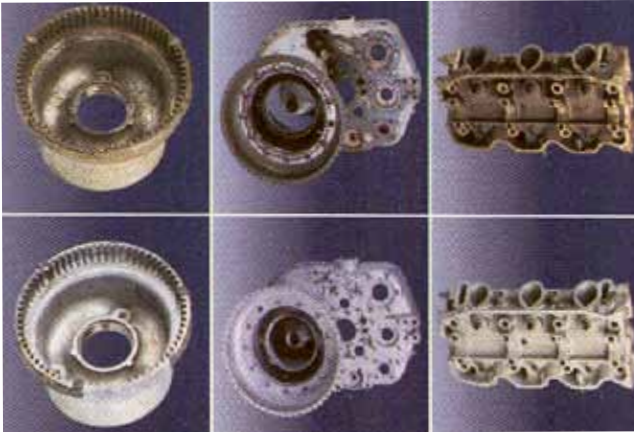


# VpCI<sup>®</sup>-408 Mild Alkaline Cleaner



## PRODUCT DESCRIPTION

VpCI-408 is a mildly alkaline blend of surfactants for use in high-pressure spray washers, and power washing machinery. It can be used for removal of machining fluids, coolants, light oils, and greases. VpCI-408 is near neutral in pH, which eliminates the need for some wastewater treatment.

VpCI-408 is a non-foaming alkaline cleaner that provides multi-metal corrosion protection after the cleaning process. Even at low concentrations, VpCI-408 can provide corrosion protection to metal parts that are stored inside.

VpCI-408 is also available in a super concentrate version as VpCI-408 SC.

## FEATURES

- Mild alkaline cleaner and degreaser for use in high-pressure spray systems
- Nitrite free
- Contains inhibitors for multimetal protection
- Requires mechanical action to be effective
- Leaves no residual film
- Will not affect paint adhesion
- Prevents flash rust
- Non-foaming

## EFFECTIVE USES

- Plate, sheet metal, and metal castings covered with oily films prior to painting or pickling
- Metal parts contaminated with typical machining or drawing fluids
- Pressure washing

## APPLICATION

VpCI-408 can be applied using power washers and sprayers. For best results, it is recommended that this product be used at a temperature of 120-150°F (49-66°C).

Mix VpCI-408 into water to desired concentration. Maintain solution by monitoring pH, refractometry, and titration.

See back page for further details

## RECOMMENDED DILUTIONS

### Light Cleaning:

Use 2% (by weight) VpCI-408 in water.

### Normal Cleaning:

For heavier oils, use 3-5% (by weight) VpCI-408 or 1-3% VpCI-408 SC in water.

### Heavy-duty Cleaning:

For drilling oils and heavy greases use 5-10% (by weight) VpCI-408 in water.

## PROPERTIES

Appearance	Slightly hazy yellow liquid
Odor	Faint
Temperature Range	120-150°F(49-66°C)

### VpCI-408

pH	8.5-9.5 (1% aq. solution)
Weight per gallon	8.7-8.9 lbs./gal (1.04-1.07kg/l)
Non-volatile content	9-13%

### VpCI-408 SC

pH	8.5-9.5 (1% aq. solution)
Weight per gallon	9.2-9.6 lbs./gal (1.10-1.15kg/l)
Non-volatile content	28-31%

## PACKAGING

VpCI-408 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, and bulk.

## STORAGE

Minimum 32°F (0°C)

Maximum 120°F (49°C)

## MONITORING CONCENTRATIONS

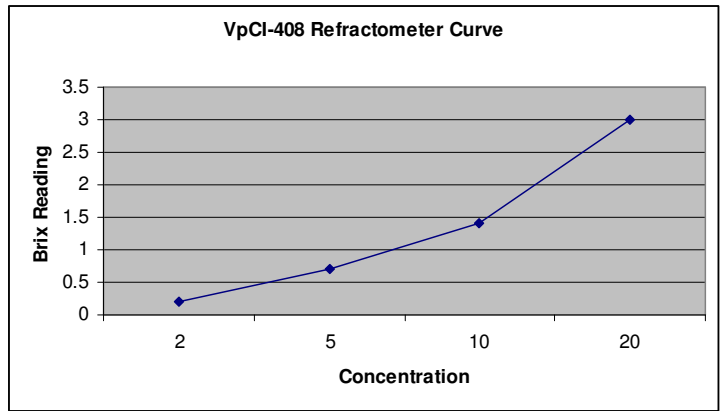
- Concentration should be monitored regularly to ensure product effectiveness
- Monitoring can be performed via pH or refractometry

### pH

- For 2-20% (by weight) solutions, pH range should be from 8.8-9.0

### Refractometry

- Refractometer reading can be measured using refractive index or Brix scale
- Refractive index measurement should be between 1.333 and 1.337 for solutions of 2-20%
- For Brix scale readings, please refer to the following chart



**\*Note:** Refractometer and pH readings may vary depending on water quality. The solutions analyzed above were diluted with deionized water.

## 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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