

# VpCI®-414

## PRODUCT DESCRIPTION

VpCI-414 is a cleaner and degreaser that also removes temporary coatings such as Cosmoline™\*, Cortec® VpCI-368, VpCI-388, VpCI-389 and non-silicone-based waxes from metal and painted surfaces.

## FEATURES

- Biodegradable
- Heavy-duty temporary coating remover
- Good for light oils and greases
- Will not affect painted surfaces
- Non-flammable
- Remains active even if left to dry
- Mostly used at room temperature, thus reducing energy consumption. Can also be used in a heated bath for heavy hydrocarbons.
- Viscous liquid that will cling to ceilings and vertical surfaces in a ready-to-use formulation
- Can be used effectively at low concentrations, diluted as low as 1% for concentrate (by volume) and higher,
- No special protective equipment needed for application
- Provides corrosion protection after parts have been cleaned
- Protects metal in solution and above the liquid line on carbon steel
- Removes Cosmoline™, transit coatings, greases and sludge

\*Cosmoline™ is a registered trademark of Houghton International, Inc.

## TYPICAL PROPERTIES

Appearance	Clear light yellow liquid
pH	10.9-11.4 (Neat)
Usage	1% up to concentrate
Density (SG)	8.6-8.7 lb/gal (1.03-1.05 kg/l)
Non-volatile Content	18-25%

## METALS PROTECTED

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

## PACKAGING

VpCI-414 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

## STORAGE

Minimum:	32°F (0°C)
Maximum:	120°F (49°C)

## CLEANING APPLICATIONS

Two Steps for Removing Coating and Non-Silicone Based Waxes

1. Spray or brush apply VCI-414

VpCI-414 can be applied at full strength or diluted. It is best applied by spraying. The most ideal dilution, where one would get an adequate coverage of wet film for vertical and under-hanging surfaces, is 40% water to 60% concentrate. VpCI-414 can be sprayed with an airless, pot agricultural sprayer. Always test wet film coverage on a neutral surface before beginning.

Let the product stand (wet) for 2-6 minutes, depending on the film thickness of the product to be removed and the length of time that the coating has cured. Reapplication may be required.

2. Removal of product and coating

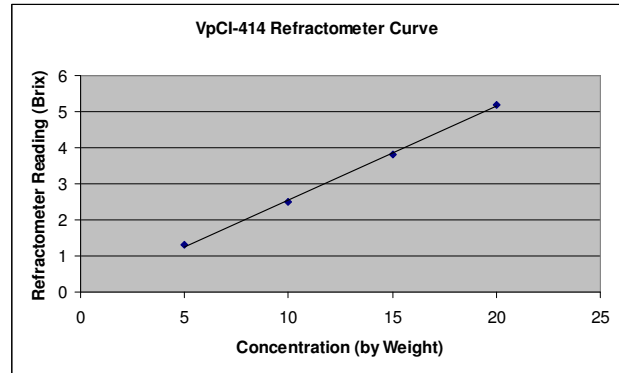
The removal of the product and coating may be accomplished with a power washer at the following settings or even a common garden nozzle.

Pressure: 50-300 psi (3.4-21 bar)  
Temperature: 115°-160°F (46°-71°C)

If coating removed is tacky or remains tacky in patches repeat step 1.

Three Steps for Cleaning Engine Blocks or Heavily Greased/Soiled Equipment:

1. Repeat step 1 above. The solution may be diluted to increase penetration. Let the product sit for 5-20 minutes.
2. Repeat step 2 above.
3. Repeat process as necessary until greased/soiled equipment is clean.



## 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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