

# VpCI®-411



Before



After

## DESCRIPTION

VpCI-411 is a heavy-duty, water-dilutable, D-Limonene-based cleaner/degreaser liquid. This product is designed for extra tough cleaning jobs in industrial and commercial applications. VpCI-411 cleans heavy-duty machinery, shop tools, hoods, parts-in-process, food processing equipment, office equipment, floors, walls, lavatories, and desks. VpCI-411 is very effective in dissolving grease, oil, paraffins, and waxes.

VpCI-411 can be used on all engineering metals and alloys.

Unlike other solvent cleaners available on the market today, which are harmful to human skin and classified as hazardous materials, VpCI-411 is safe to handle. It offers a pleasant odor and is biodegradable. VpCI-411 is also stable in water dilutions from 5% to 50%.

VpCI contains 81% biobased content

VpCI 411 is a USDA<sup>SM</sup> designated industrial cleaner and grease remover for Federal/Federal agency Preferred Purchasing

## TYPICAL USES

- Universal cleaning applications
- Machinery or engines coated with grease or oil deposits
- Sheet metal covered with oil or waxy films prior to painting
- Machined parts coated with waxes or greases prior to assembly

- Castings coated with temporary protective oils or wax sealers
- Excellent for removing adhesives
- Removes temporary coatings like Cortec® VpCI-368 or VpCI-389
- Wash hands to remove oils during machining operations
- Petroleum equipment, pipes, vessels, drilling tools, tanks, pipelines, etc.

## APPLICATION

*Heavy-duty cleaning:* 20% to 50% VpCI-411 in water. For heavy-duty cleaning, allow VpCI-411 to penetrate through the dirt and grime and break it free from the metal surface.

Examples of heavily soiled parts:

- Gearboxes
- Engines
- Process and plant machinery
- Oil platforms

*Medium-duty cleaning:* 10% to 20% VpCI-411 in water

Examples of medium-duty cleaning:

- Production parts
- Steel coils
- General machinery maintenance

*Light-duty cleaning:* 1% to 5% VpCI-411 in water

Examples of light-duty cleaning:

- Walls and floors
- Lavatories
- Desks and office equipment

## PROPERTIES

Appearance	Clear yellow liquid
Density	8.1-8.2 lb/gal (0.97-0.98 kg/l)
pH	7.6-7.8 (Neat)

## PACKAGING AND STORAGE

VpCI-411 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. Shelf life of the product is 12 months.

Minimum storage temperature: 32°F (0°C)

Maximum storage temperature: 120°F (49°C)

## 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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