

## SURFACE PREPARATION PRODUCTS

# VpCI®-417/VpCI®-417 Safe-T-Charge



### DESCRIPTION

VpCI-417 is a heavy-duty cleaner/degreaser for cleaning industrial, oil field, commercial, and marine equipment. VpCI-417 is recommended for power washing machinery or conveyor systems.

VpCI-417 is a cleaner in powder form from intermediates which are chemically reacted at controlled temperatures and pressures. The compounds contained in VpCI-417 function by chemically altering grease and dirt so that deposits can be removed with water. VpCI-417 can be metered into steam cleaners. It is non-flammable, nitrite-free, non-toxic, and does not present disposal problems associated with most phosphate cleaners.

VpCI-417 contains inhibitors to protect metal parts from corrosion after cleaning. It has a unique ability to remove such difficult to clean deposits as heavy hydrocarbons, grease, drawing and buffing compounds, and mill and machinery oils. VpCI-417 also saves energy costs required for hot alkaline cleaners presently used in the industry.

VpCI-417 Safe-T-Charge combines all the cleaning properties of VpCI-417 with a convenient delivery system. Safe-T-Charge 417 is packaged in a polyvinyl alcohol bag (PVA) for safe handling and easy measurement. Simply place the bag into the wash system and allow the bag and powder to dissolve. Safe-T-Charge 417 is available in 1 lb (0.45 kg) and 5 lbs (2.26) kg.

### FEATURES

- Heavy-duty chemical cleaner and degreaser with unique cleaning action for removing hydrocarbon deposits
- Non-caustic, non-toxic, and nitrite-free
- Provides exceptional cleaning action at low temperature, affording energy savings over hot alkaline cleaners
- Contains inhibitor package for multimetal protection
- Contains non-silicone defoamers to prevent foam during operation
- Requires minimal to no mechanical action to be effective
- Leaves no residual film and will not affect adhesion qualities
- Prevents flash rust
- Safe to use on glass and most plastics
- Low foaming
- Available in water-soluble bags (Safe-T-Charge)

### EFFECTIVE USES

- Drilling pipe and oil field equipment contaminated with drilling and hydrocarbon deposits
- Machinery, engines, or tank cars coated with grease or oil deposits
- Plate and sheet metal covered with oily or waxy films prior to painting or pickling
- Metal castings coated with temporary protective oils or waxy sealers prior to painting or machining
- Metal parts contaminated with stamping, drawing, or buffing compounds
- Pressure washing and ultrasonic cleaning

## APPLICATION

VpCI-417 can be applied using power washers, steam cleaners, sprayers, and dipping tanks.

Light cleaning:

Use 2% (by weight) VpCI-417 in water.

Normal cleaning:

For machinery, rail cars, offshore equipment and tanks contaminated with medium deposits use 3% (by weight) VpCI-417 in water.

Heavy-duty cleaning:

For drilling mud, grease, crude, bilges, concrete surfaces, and structures use 5-10% (by weight) VpCI-417 in water.

Steam cleaning:

Use 2% by weight VpCI-417 in water.

## PACKAGING

VpCI-417 is available in 5 pound (2.3 kg), 50 pound (23 kg), and 100 pound (45 kg) drums. ChargeVpCI-417 Safe-T-Charge is available in 20 lbs (4.6 kg) packages containing either 1 lb (0.45 kg) or 5 lbs (2.3 kg) bags.

## PROPERTIES

Appearance	Off-white to beige powder
pH	11.8-12.8 (1% aqueous)
Non-volatile Content	97-100%

## 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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