PRODUCT DESCRIPTION

VpCI®-377 is a water-based concentrate designed as a complete replacement for oil-based rust preventives for indoor protection of equipment and components. VpCI®-377 is a corrosion preventive liquid that meets tough anti-pollution requirements. The wide dilution range with water (0.5-20%)* allows flexibility to customize the length of protection required and the applied cost per square foot (or m²).

VpCI®-377 forms a solution in water and is applied to metal surfaces by spraying or dipping. In many cases, VpCI®-377 does not always need to be removed, but if necessary, can be removed with conventional alkaline cleaners, such as Cortec VpCI®-414.

VpCI®-377 is also available in a cold weather version. VpCI®-377 Winterized has a lower freezing point for the convenience of application and storage in cold temperature.

FEATURES

- Non-flammable
- Passes ASTM D-4627-86 (Test Method for Iron Chip Corrosion for Water-soluble Metalworking Fluids) at 2% by weight
- Excellent wetting properties
- No hazardous decomposition by-products
- Can be coated over with most conventional paint systems

TYPICAL APPLICATIONS

Thin film coating for dry storage of:
- Castings, tubular parts, finished parts, gears
- Pumps and housings
- Textile and printing equipment
- Structural steel, sintered metals
- Bars and roll stock
- Additive to rinse water systems

Spraying or dipping on metal surfaces will provide indoor protection.

METALS PROTECTED

- Carbon steel
- Aluminum
- Stainless steel
- Copper
- Galvanized steel

APPLICATION

Product Preparation:

Add VpCI®-377 to water and mix thoroughly. Spray, dip, or use in parts washers and rinse tanks. Solution concentration can be monitored by a refractometer, or pH.
TYPICAL PROPERTIES

VpCI®-377

- **Appearance**: Clear dark brown or black liquid
- **Film Type**: Dry, clear
- **Non-volatile Content**: 40-47%
- **pH**: 7.5-9.5 (Neat)
- **Density**: 8.7-9.2 lb/gal (1.04-1.10 kg/l)
- **BOD/COD (2.5% solution in water 28 days)**: 0.48
- **Corrosion Resistance**: Up to 24 months indoors

VpCI®-377 Winterized

- **Appearance**: Clear amber liquid
- **Film Type**: Dry, clear
- **Non-volatile Content**: 36-42%
- **pH**: 7.8-8.9 (Neat)
- **Density**: 8.8-9.2 lb/gal (1.05-1.10 kg/l)
- **Carrier**: Water + Propylene glycol
- **Freeze point**: -22°F (-30°C)
- **Corrosion Resistance**: Up to 24 months indoors

STANDARD TEST METHODS

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STORAGE AND PACKAGING

VpCI®-377 is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk. The product should be stored sealed in a heated warehouse to avoid freezing.

VpCI®-377 Winterized is available in 5 gallon (19 liter) pails, 55 gallon (208 liter) drums, liquid totes, and bulk.

VpCI®-377 is also available in EcoAir® compressed air cans (12 oz. / 340 g) bottles.

Shelf life is 24 months.

LIMITED WARRANTY

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