



CORTEC
CORPORATION

Environmentally Safe VpCI®/MCI® Technologies

RoHS
COMPLIANT

VpCI®-379

DESCRIPTION

VpCI®-379 is a water-based corrosion preventive liquid concentrate designed to meet tough anti-pollution requirements. It is designed to protect ferrous and non-ferrous metals in sheltered areas, indoor or in packages not in direct exposure to rain and outdoor elements. VpCI®-379 is designed as a complete replacement for oil-based preventives. The wide dilution range (between 5% and 50%) allows flexibility to customize the length of protection required versus applied cost per square foot (or m²). VpCI®-379 is readily soluble and forms a clear solution in water. It is applied to metal surfaces by spraying or dipping. The protective coating is clear and will dry at ambient conditions to become dry-to-touch 30 minutes after application. VpCI®-379 can be removed with conventional alkaline cleaners, and can be coated over with paints and primers without removal.

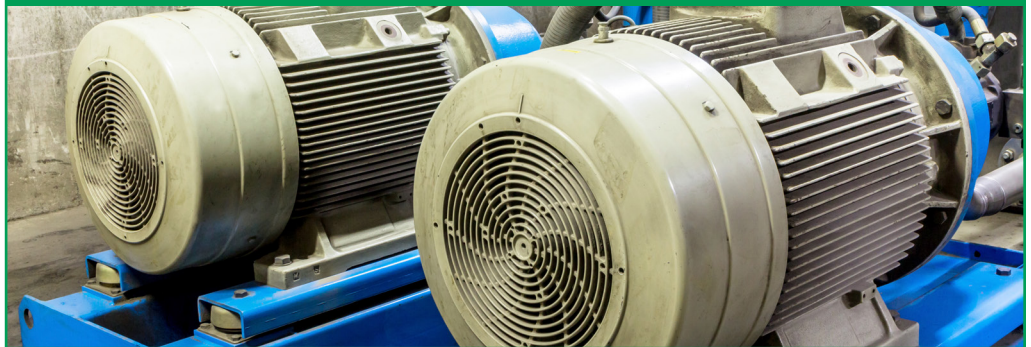
PACKAGING & STORAGE

VpCI®-379 is available in 5 gallon (19 L) pails, 55 gallon (208 L) drums, liquid totes, and bulk.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 2 years

VpCI® METALWORKING PRODUCTS



FEATURES

- Water-soluble
- Superior protection against humidity
- Eliminates cleaning and housekeeping problems associated with oils
- Economical, can be diluted up to 1 part VpCI®-379 to 20 parts water
- Easy to remove, if necessary, or paintable with common coatings
- NSN 8030-01-481-8928
- Unique vapor phase action also protects uncoated and difficult-to-reach areas
- UFI: 35TX-S1PF-3U1S-3MH1

TYPICAL APPLICATIONS

- Casted forgings, tubular parts, machined, and honed metal components
- Gears, pumps, electric motors, housings, textile, and printing equipment
- Precision machined parts, structural steel, sintered metals, bars, and roll stock
- Additive to parts washers and rinse water systems, hydroblasting, and hydrotesting

Add VpCI®-379 to water as follows for:

Short term protection:

1 part concentrate to 10-20 parts water

Medium term protection:

1 part concentrate to 6-10 parts water

Protection up to 2 years:

1 part concentrate to 1-5 parts water

If removal is necessary for subsequent operations such as plating, the usual preparatory operations of alkaline washing or degreasing easily removes the coating. In many operations, removal is not necessary since coatings, or paints can be applied directly over treated surfaces at dilutions over 1:5.

VpCI®-379

TYPICAL PROPERTIES

Appearance	Clear Amber Liquid
pH	8.6-9.7 (Neat)
Non-Volatile Content	28-35%
Density	8.5-8.8 lb/gal (1.01-1.05 kg/L)

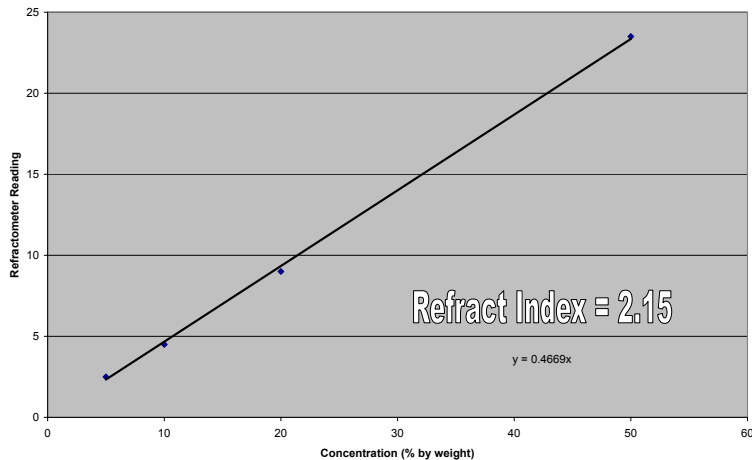
METALS PROTECTED

- Carbon Steel
- Stainless Steel
- Aluminum
- Cast Iron
- Copper

STANDARD TEST METHODS

ASTM D1748	Humidity Cabinet	300+ Hours @ 5% in water
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Refractometer Curve for VpCI-379



LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

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