



ECO FRIENDLY  
SUSTAINABLE  
BIODEGRADABLE



VBCI Series- A class of environmentally friendly corrosion inhibitors for a cleaner, greener, better tomorrow.

# Vapro VBCI-886

## Non-toxic Water based VBCI Corrosion Inhibitor

Passed German VIA (Vapour Inhibition Ability) Test TL 8135-002

NATO STOCK NUMBER: 6850-32-087-9984

### Description

Vapro VBCI-886 is a water based corrosion inhibitor developed as a replacement for all oil based rust preventives. Vapro VBCI-886 aqueous solution is heat stable and it can be removed with conventional alkaline cleaners. Vapro VBCI-886 can be coated over with paints and primers.

Vapro VBCI-886 is a non-toxic V.C.I. water based corrosion inhibitor. Specially developed to replace conventional, toxic and health hazard oil based rust preventive.

Vapro VBCI-886 is made from Acrylic Copolymer emulsion with a mixture of non-toxic organic inhibitors. Its formulation offers unprecedented advancement in VCI Technology. It provides up to 24 months of excellent corrosion protection on equipment even in harsh outdoor environments.

Vapro VBCI-886 is non-flammable, weldable and it has excellent salt spray resistance. It's a fast drying coating with a clear protective barrier that allows visual inspection of the equipment.

### Features

- Water based, safe, non-toxic
- Non-flammable and weldable
- Fast drying and glossy film
- Clear film that gives an attractive appearance to parts



### Features

- Heat stable
- Minimal surface preparation
- Can be applied on damp surfaces
- Can be over-coated with most generic topcoats, epoxies, polyurethane and alkyds
- Excellent inter-film adhesion
- Excellent for ferrous and non-ferrous metals
- Eliminates hazardous problems associated with oil-based products
- Unique vapor phase action also protects uncoated and difficult-to-reach areas



## Special Applications

- Castings, forgings, tubular parts, machined and honed metal components.
- Use as a quenching fluid or in dipping applications operating at elevated temperatures.
- Precision machined parts, structural steel, sintered metals, bars and roll stock.
- Smaller applications such as water pumps, electric motor housings, exposed shafting, pipe, tubing, engines, castings, forgings, metal enclosures, conduit and housings and many other uses.

## Multi-metal protection

Metal Type	Excellent	Good	Acceptable	Poor
Mild Steel		●		
Copper	●			
Cast Iron, Flake or Ductile		●		
Aluminum Alloys		●		
Zinc		●		
Brass (30% Zn)	●			
Silver		●		
Copper-Nickel Alloys		●		
Stainless Steel		●		
Galvanized Steel		●		

## Typical Properties

**Appearance**  
White, emulsion liquid

**Odour**  
Characteristic

**pH @25°C**  
9 ± 0.5

**Boiling Point**  
ca. 100°C as water

**Flash Point**  
N.A.

**Flammability**  
N.A.

**Explosive limit**  
N.A.

**Oxidizing properties**  
N.A.

**Theoretical Coverage Rate**  
16 m<sup>2</sup> per litre(25 microns)

**Relative density at 20°C**  
1.04 g/cm<sup>3</sup>

## Recommended Spray Gun

Brand: GRACO

XTR Airless Spray Gun

XTR-5: maximum fluid pressure of 5000 (345 bar, 34.5 MPa)

## Available Packaging

20 Litres & 200 Litres drum

**Magna**

**Magna International Pte Ltd**

10H, Enterprise Road,  
Singapore 629834.

**Tel** (65) 6786-2616

**Fax** (65) 6785-1497

**Email** info@magnachem.com.sg  
info@vapprovci.com

**Web** <http://www.vapprovci.com>

### Headquarters



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### Regional Offices



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