



ECO FRIENDLY
SUSTAINABLE
BIODEGRADABLE



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

Vapro VBCI-848

VBCI Powder

Conforms to MIL-I-22110C

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

NATO STOCK NUMBER: 6850-32-076-1099

Overview

Vapro VBCI-848 is a unique formulation Vapour Corrosion Inhibitor Powder for dry corrosion protection of metals in recessed areas, interior cavities and voids.

Vapro VBCI-848 has found considerable application as a corrosion inhibitor in low concentrations and is effective in protecting multi-metals from corrosion. It does not contain chromates or nitrites. It is easy to apply and remove by air gun or water.

Areas of Use

- Vapro VBCI-848 powder is used for dry protection of internal cavities and voids that can be covered or closed after application.
- For protection of tubular structures, pipes, heat exchangers, tanks, vessels etc.
- For protection of equipment after hydrostatic testing.
- For protection of closed circuit cooling systems-dry lay-up.
- For protection of parts, components and completed assemblies during storage and shipping.



Features

- Nitrites-free and does not contain Chromates
- Easy to apply
- Multi-metal protection
- Provides mono-molecular inhibiting layer
- Non-toxic

Additional Benefits

- Long term protection
- Protected products can be shipped to customers without removing powder
- Easy removal: powder can be removed by air gun or water when applied as a powder
- Little or no surface preparation required



Method of Application

- Apply powder by dusting, fogging or sprinkling.
- After application, simply cover, seal or close the interior cavity or void.
- Fogging can be achieved by using a low pressure air hose and sandblast cup.
- For powder application, use 10 to 20 grams of **VAPPRO VBCI-848** per cubic foot (28 litres) of enclosed space. The dosage can be increased up to 30grams as needed for more severe conditions.
- When dissolved in water, it can be used as a liquid phase inhibitor.
- For aqueous application, use 0.75% to 1.5% **VAPPRO VBCI-848** by weight of water depending on the humidity and salinity of the environment.

Method of Removal

When required, **VAPPRO VBCI-848** in powder form can be easily removed by using a low pressure air gun or by a water rinse.

Multi-metal protection

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

Typical Properties

Form
Powder

Appearance
White Powder

Melting Point
170 °C

Alkalinity(as NaOH)
Not more than 0.04% as NaOH

Water
Not more than 1.5%

Available Packaging

25 kg 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



Singapore

Regional Office



Australia

Follow us on social media for regular updates and news.



<https://www.facebook.com/vapprovci/>
<https://www.facebook.com/MagnaInternationalPteLtd/>

The details of our products are given completely free of undertaking. Since their application lies outside our control, we cannot accept any liability for the results. User shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.



Copyright 2018. Magna International Pte Ltd.

Magna, Vapro VCI and Vapro VBCI are registered trademarks of Magna International Pte Ltd.