



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



A member of



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%

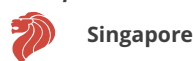
Available Packaging

25 kg drum



Magna International Pte Ltd
10H, Enterprise Road,
Singapore 629834.
Tel (65) 6786-2616
Fax (65) 6785-1497
Email info@magnachem.com.sg
info@vaprovc.com
Web http://www.vaprovc.com

Headquarters



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