



VAPPRO VCI-848 VCI POWDER

NATO STOCK NUMBER:
6850-32-076-1099
Conforms to MIL-I-22110C

OVERVIEW

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

Vapro VCI-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.

AREA OF USE

- Vapro VCI-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.

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

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 VCI-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 VCI-848 by weight of water depending on the humidity and salinity of the environment.

METHOD OF REMOVAL

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

SPECIFICATIONS

Form
Powder

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

Appearance
White Powder

Water
Not more than 1.5%

Melting Point
170 °C

AVAILABLE PACKAGING

25 kg & 100 kg Drum

MULTI-METAL PROTECTION

Mild Steel, Wrought Iron	EXCELLENT
Copper	EXCELLENT
Cast Iron, Flake or Ductile	GOOD
Aluminum Alloys	EXCELLENT
Zinc	GOOD
Magnesium Alloys	GOOD
Brass (30% Zn)	EXCELLENT
Cadmium	ACCEPTANCE
Silver	GOOD
Copper-Nickel Alloys	GOOD
Stainless Steel	EXCELLENT
Solder	EXCELLENT
Galvanized Steel	GOOD
Aluminized Steel	GOOD

LEGEND

EXCELLENT
GOOD
ACCEPTANCE
POOR

Magna

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