



ECO FRIENDLY  
SUSTAINABLE  
BIODEGRADABLE



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

# Vapro VBCI-842

## VBCI Powder For Hydrotesting

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

NATO STOCK NUMBER: 6850-32-076-9724

### Overview

Vapro VBCI-842 powder is specially developed to inhibit both ferrous and non-ferrous metals from corrosion after hydrotest. It eliminates formation of corrosion due to residual water after draining hydrotest water.

Vapro VBCI-842 eliminates the need to force dry the piping system after pressure testing and flushing. Reduces downtime caused by formation of corrosion in piping system which can result in seized valves, blocked pipework and potential damage to downstream process equipment.

### Typical Applications

- Hydroblasting, hydrostatic testing.
- Tanks, casing, pumps, valves.
- Tubulars, structures, boiler pipework.
- Heat exchangers.
- Skid module piping system.
- Additive to standing water.



### Advantages

- Non-toxic.
- Easy to apply.
- Multi-metal protection.
- Does not contain phosphates or other heavy metals
- Does not contain ODS (Ozone Depleting Substances).
- Little or no surface preparation required.
- Protected products can be shipped to customer without removing of water or powder for dry corrosion protection of metals.
- Biodegradable.
- Environmental friendly.
- Eliminates formation of corrosion due to residual water.



A member of



### Procedure For Incorporating Vapro 842 VBCI Powder With Hydrotest Water

- Calculate the volume of the system to be hydrostatically pressure tested.
- Add Vapro VBCI-842 Powder to test water at a rate of 1 % to 1.5 % by weight depending on the humidity and salinity of the environment.
- Agitate the mixture for even dispersion.
- Carry out pressure test.
- Drain down system and seal all vents.

### Procedure For Dry Corrosion Protection Of Tubulars

- Applying powder by dusting, fogging or sprinkling. After application seal all vents.
- 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-842 per cubic foot (28 litres) of enclosed space. The dosage can be increased up to 30grams as needed for more severe conditions.

### Method Of Removal

When required, VAPPRO VBCI-842 in powder form can be easily removed by using a low pressure air gun or by a water rinse.

### Typical Properties

Form  
Powder

Appearance  
White Powder

Solubility In Water  
Appreciable(600 grams in 100 grams at 20<sup>0</sup>C)

Density  
2.2 grams / cm<sup>3</sup> at 20<sup>0</sup>C

Odour  
Odourless

Special Labeling  
None

pH  
7.5 (1% aqueous solution)

### Available Packaging

25 kg drum

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