



ECO FRIENDLY
SUSTAINABLE
BIODEGRADABLE



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

Vapro VBCI-843

Odourless VBCI Powder

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

NATO STOCK NUMBER: PENDING

Overview

Vapro VBCI-843 is an odourless VCI powder specially developed to inhibit ferrous metal from corrosion after hydrotest. It eliminates formation of corrosion due to residual water after draining hydrotest water.

Vapro VBCI-843 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.

Vapro VBCI-843 is also an excellent product for dry corrosion protection of metals in recessed areas, interior cavities and voids.

Areas of Use

- Hydroblasting, hydrostatic testing.
- Tanks and casing.
- Tubulars, structures, Boiler Pipework.
- Heat exchangers.
- Additive to standing water.
- Process pipework and vessels.



Advantages

- Essentially Non-toxic.
- Easy to apply.
- Excellent corrosion inhibitor for ferrous metal.
- Does not contain chromates 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.



Procedure For Incorporating Vapro VBCI 843 Powder With Hydrotest Water

- Calculate the volume of the system to be hydrostatically pressure tested.
- Add Vapro VBCI-843 Powder to test water at a rate of 0.5% to 1% 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

- Protects up to 1 cu ft(28 litres) per 9 to 10 grams of powder.
- Calculate the volume of the structure to be preserved. By means of a spray gun, fog the desired amount of Vapro VBCI-843 and seal all vents.

Typical Properties

Form
Powder

Appearance
White Powder

Solubility In Water
Appreciable (55 grams in 100 grams at 20°C)

Density
45-50 lbs / cu. ft.

Odour
Odourless

Special Labeling
N.A.

pH
9 ± 0.5(1% aqueous solution)

Available Packaging

25 kg drum

Magna

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