



# VAPPRO VCI-842

## VCI POWDER FOR HYDROTESTING

**NATO STOCK NUMBER:**  
6850-32-076-9724

### OVERVIEW

Vapro VCI-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 VCI-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.
- Additive to standing water.

### ADVANTAGES

- Provides effective corrosion protection against attack from chloride and other dissolved Halogens.
- Non-toxic.
- Easy to apply.
- Multi-metal protection.
- Does not contain chromates and heavy metals.
- Does not contain ODS (Ozone Depleting System).
- 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.
- Nitrite free.
- Biodegradable.
- Environmental friendly.
- Eliminates formation of corrosion due to residual water.





## PROCEDURE FOR INCORPORATING VAPPRO VCI-842 POWDER WITH HYDROTEST WATER

- Calculate the volume of the system to be hydrostatically pressure tested.
- Add Vapro VCI-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 VCI-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 VCI-842 in powder form can be easily removed by using a low pressure air gun or by a water rinse.

## SPECIFICATIONS

### Form

Powder

### Appearance

White Powder

### Solubility In Water

Appreciable(600 grams in 100 grams at 20°C)

### Density

2.2 grams / cm<sup>3</sup> at 20°C

### Odour

Odourless

### Special Labeling

None

### pH

7.5 (1% aqueous solution)

## AVAILABLE PACKAGING

25 kg drum