



## PRODUCT INFORMATION

### VAPPRO 841

#### VCI Powder for Hydro-Static Testing

<b>Function:</b> Vapour Corrosion Inhibitor (VCI)	<b>Application:</b> Hydrostatic Testing	<b>Form:</b> Fine Powder
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## DESCRIPTION



**VAPPRO 841** is an odourless VCI powder specially developed to inhibit both ferrous and non-ferrous metals from corrosion after hydro-testing. It eliminates the formation of corrosion due to residual water after draining hydro-test water.

**VAPPRO 841** eliminates the need to force dry the piping system after pressure testing and flushing. It reduces downtime caused by formation of corrosion in piping system which can result in seized valves, blocked pipe-work and potential damage to downstream processing equipment.

**VAPPRO 841** is excellent for dry corrosion protection of metals in recessed areas, interior cavities and voids.

## FEATURES

- Non-toxic and Nitrite free
- Easy application
- Multi-metal protection
- Does not contain chromates and heavy metals
- Does not contain ODS (Ozone Depleting Substances)
- Little to no surface preparation required
- Protected products can be shipped without the removal of water or powder for dry corrosion protection of metals
- Biodegradable and environmentally friendly
- Eliminates formation of corrosion due to residual water



## APPLICATIONS

- Process pipe-work and vessels
- Tanks, casing, pumps, and valves
- Tubular structures and boiler pipe work
- Heat exchangers
- Additive to standing water
- Hydro-blasting and hydrostatic testing

## PROCEDURE FOR INCORPORATING 841 VCI POWDER INTO HYDROTESTING WATER

- Calculate the volume of the system to be hydrostatically pressure tested
- Add **VAPPRO 841** to test water at a rate 1% by weight of water depending on the humidity and salinity of the environment where pipes will be stored
- For water tanks use 0.5%-0.75% of **VAPPRO 841** VCI powder by weight of water
- Agitate the mixture for even dispersion
- Carry out pressure test
- Drain down system and seal all vents

## PROCEDURE FOR DRY CORROSION PROTECTION OF TUBULARS

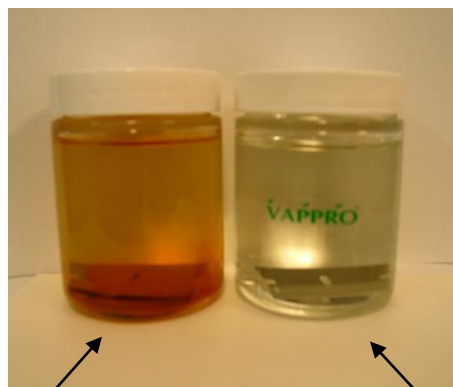
- Protects up to 1 cubic foot (28 litres) per 30 grams of powder
- Calculate the volume of the structure to be preserved
- Using a spray gun, fog the desired amount of **VAPPRO 841** and seal all vents

## PHYSICAL PROPERTIES

Form	Fine White Powder
Typical Particle Size On 850µm (US Standard Mesh #20) Through 45µm (US Standard Mesh #325)	0.1% Max 40% Min
Solubility in Water	Appreciable (55 grams in 100 grams at 20°C)
Density	20 to 24 lbs./cubic foot (0.32 to 0.38 g/ml)
Odour	Odourless

## PACKAGING

- 45.5kg Drum (100.3 lbs.)



WITHOUT VCI

WITH VCI



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