

VAPPRO®

V.C.I. CORROSION INHIBITOR

Magna Chemical Canada Inc.
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Corrosion Control

PRODUCT INFORMATION

VAPPRO 841

**ODOURLESS V.C.I. POWDER
FOR HYDROTESTING**

DESCRIPTION



Vapro 841 is an odorless VCI powder specially developed to inhibit both ferrous and non-ferrous metals from corrosion after hydro-test. It eliminates formation of corrosion due to residual water after draining hydro-test water. **Vapro 841** 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 pipe-work and potential damage to downstream process equipment.

Vapro 841 is also an excellent product for dry corrosion protection of metals in recessed areas, interior cavities and voids.



BENEFITS

- * 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.

The details of our products are given completely free of undertaking. Since their application lies outside our control, we cannot accept any liability for the results. User shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

TYPICAL APPLICATIONS

- * Process pipe-work and vessels.
- * Tanks, casing, pumps, valves.
- * Tubular, structures, Boiler Pipe work.
- * Heat exchangers, chillers, boiler water @ 0.25 to 0.75 % by Weight
- * Additive to standing water.
- * Hydro-blasting, hydrostatic testing.

PROCEDURE FOR INCORPORATING 841 VCI POWDER INTO HYDROTEST WATER.

- * Calculate the volume of the system to be hydrostatically pressure tested.
- * Add **Vapro 841** VCI Powder to test water at a rate of 0.5% to 2% 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 30 grams of powder.
- * Calculate the volume of the structure to be preserved. By means of a spray gun, fog the desired amount of **Vapro 841** 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	None
PH	7 (1% aqueous solution)

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