VAPPRO®
VAPOUR CORROSION INHIBITOR
Your Corrosion Solution

# PRODUCT INFORMATION

## VAPPRO 842

| Function: | Application: | Form: |
|---|---|---|
| Vapour Corrosion Inhibitor (VCI) | Hydrostatic Testing | Powder |

## DESCRIPTION

### VAPPRO 842 HYDROTEST VCI POWDER ENHANCES THE DETECTION OF LEAKS DURING HYDROTESTING

**VAPPRO 842** VCI powder with color indicator is specially developed to inhibit both ferrous and non-ferrous metals from corrosion after hydrotest. Its bright conspicuous color enhances the detection of leaks during hydrotesting. It eliminates formation of corrosion due to residual water after draining hydrotest water. **VAPPRO 842** eliminates the need to force dry the piping system after pressure testing and flushing. Reduces downtime caused by formation of corrosion in piping systems which can result in seized valves, blocked pipework and potential damage to downstream process equipment.

## FEATURES

- Provides effective corrosion protection against attack from chloride and other dissolved halogens
- Non-toxic
- Easy application
- 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
- Nitrate free
- Biodegradable
- Environmental friendly
- Eliminates formation of corrosion due to residual water

## APPLICATIONS

- Hydroblating, hydrostatic testing
- Heat exchangers
- Tanks, casing, pumps, valves
- Tubulars, structures, boiler pipework
- Process pipe work and vessels

## PROCEDURE FOR INCORPORATING 842 VCI POWER INTO HYDROTEST WATER

- Calculate the volume of the system to be hydrostatically pressure tested.
- Add **VAPPRO 842** VCI Powder to test water at a rate of 1% to 1.5% by weight depending on the humidity 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 842** per cubic foot (28 litres) of enclosed space. The dosage can be increased up to 30 grams as needed for more severe conditions.

## DIRECTIONS FOR REMOVAL

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

## PACKAGING

- 45.5kg drum (100.3 lbs)

## PHYSICAL PROPERTIES

| | |
|---|---|
| Form | Powder |
| Appearance | White and luminous yellow powder |
| Solubility in water | Appreciable (600 grams/litre at 20$^{o}$C) |
| Density | 2.2 grams / cm$^{3}$ at 20$^{o}$C |
| Odour | Odourless |
| Special Labelling | None |
| pH | 7.5 (1% aqueous solution) |

**North & South America**

Chemical Canada Inc. Magna
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**Warehouse Address**

**1450 Government Road West**
**Kirkland Lake, Ontario P2N 2E9 Canada**
**Tel: 416 479 9151 Fax: 888 317 1993**
**Email: magna@vappro.com**
**www.vappro.com**

**Office Address**

**33 Blue Heron Drive**
**Orangeville, Ontario L9W 5K5 Canada**
**Tel: 416-479-9151**
**Fax: 888-317-1993**