

VAPPRO[®]

VAPOUR CORROSION INHIBITOR

Your Corrosion Solution

PRODUCT INFORMATION

VAPPRO 844

VCI POWDER FOR SEA WATER

Function:
Vapour Corrosion
Inhibitor (VCI)

Application:
Hydrostatic testing

Form:
Powder

DESCRIPTION



Vapro 844 is a revolutionary corrosion inhibitor that inhibits ferrous metals against corrosion in seawater. **Vapro 844** protects metals against corrosion in sea water with salinity up to 35.0/00 and with chloride content up to 19,000 ppm. It eliminates the dependence of using fresh water for hydrotesting of storage tanks and piping systems.

Hydrotesting can now be carried out safely using sea water onboard aircraft carrier and naval ships, without experiencing the dire consequences of corrosion. Ballast tanks can now be protected without the need of using oil or solvent. Simply flood the ballast tank with sea water and add 0.1% percent of **Vapro 844** by weight to the volume of sea water and the ballast.

Vapro 844 has found considerable application as a corrosion inhibitor in low concentrations and is effective in protecting ferrous metals against corrosion in sea water. It does not contain chromates or nitrites and is essentially non-toxic.

FEATURES

- Effectively protects ferrous metals against corrosion in sea water with salinity up to 35.0/00 and with chloride up to 19,000 ppm.

After 1500 Hours:



Mild steel immersed in sea water
with 0.05% of Vapro 844



Mild steel immersed in sea water
without Vapro 844

Vapro 844

- Nitrite free
- Free from chromates
- Eliminates the need of using fresh water for hydrotesting without experiencing the dire consequences of corrosion.
- Low dosage
- Essentially non-toxic
- Economical
- Does not contain ozone depleting substances

APPLICATIONS

- Hydro-blasting, hydrostatic testing
- Tanks, casing, pumps, valves
- Tubular and piping systems exposed to sea water
- Ballast tanks
- Cooling system using sea water

DIRECTIONS FOR USE

Calculate the volume of the system to be hydrostatically pressure tested. Then add **Vapro 844 VCI** Powder to sea water at a dosage of to 0.1% by weight sea water. Agitate the mixture for even dispersion and carry out the pressure test.

PHYSICAL PROPERTIES

Colour	White
Form	Powder
Solubility in Water	Yes
Special Labelling	None
pH	6 (1% aqueous solution)

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