

VAPPRO 844

VCI POWDER FOR SEA WATER

Function: Vapour Corrosion Inhibitor (VCI)	Application: Hydrostatic testing	Form: Powder
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DESCRIPTION



Vapro 844 is a revolutionary corrosion inhibitor that prevents the corrosion of ferrous metals in seawater with a salinity content of up to 35ppt and with a chloride content of up to 19,000ppm. It eliminates the need to use fresh water for hydrotesting of storage tanks and piping systems.

Hydrotesting can be safely carried out using the sea water onboard aircraft carriers and naval ships without experiencing the consequences of corrosion. Ballast tanks can be protected without the need for using an oil or a 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 is excellent as a corrosion inhibitor when used in low concentrations. It is very effective in protecting ferrous metals against corrosion in sea water. **Vapro 844** does not contain chromates or nitrites.

FEATURES

- Effectively protects ferrous metals against corrosion in sea water

After 1500 Hours:



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



Mild steel immersed in sea water without Vapro 844

- Nitrite free
- Free from chromates
- Eliminates the need for using fresh water for hydrotesting
- Low dosage
- Economical
- Does not contain ozone depleting substances (ODS)

APPLICATIONS

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

PHYSICAL PROPERTIES

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

DIRECTIONS FOR USE FOR BALLAST TANK

- Add **Vapro 844 VCI Powder** to the sea water at a dosage of to 0.1% for ballast tank

PROCEDURE FOR INCORPORATING VAPPRO 844 VCI POWDER WITH HYDROTEST WATER

- Calculate the volume of the system to be hydrostatically pressure tested
- Add Vapro 844 VCI powder to sea water at a dosage of 0.05%
- Agitate the mixture for even dispersion
- Carry out pressure test



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