



VAPPRO VCI-844

VCI CORROSION INHIBITOR

Inhibits Ferrous Metals Against Corrosion In Sea Water

NATO STOCK NUMBER:
6850-32-080-3251

OVERVIEW

Vapro VCI-844 hailed as a technical breakthrough in corrosion control, it is a revolutionary corrosion inhibitor that inhibits ferrous metals against corrosion in seawater. Vapro VCI-844 protects metals 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.

Hydrotest can now be carried out safely with sea water onboard ships, rigs, offshore equipment, pipes and storage tanks 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 VCI-844 by weight to the volume of sea water in the ballast tank.

Vapro VCI-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.

ADVANTAGES

- Effectively protects ferrous metals against corrosion in sea water with salinity up to 35 0/00 and with chloride up to 19,000 ppm.
- Free from Nitrites.
- Free from chromates.
- Eliminates the need of using fresh water for hydro testing without experiencing the dire consequences of corrosion.
- Low dosage.
- Essentially non-toxic.
- Economical.
- Does not contain ozone depleting substances.
- No other VCI corrosion inhibitor performs as effectively, reliably and consistently as Vapro VCI-844





AREAS OF USE

- Hydroblasting, hydrostatic testing.
- Tanks, casing, pumps, valves.
- Tubulars and piping systems exposed to sea water.
- Ballast tanks.
- Cooling system using sea water.

PROCEDURE FOR INCORPORATING VAPPRO VCI-844 VCI POWDER WITH HYDROTEST WATER

- Calculate the volume of the system to be hydrostatically pressure tested.
- Add Vapro VCI-844 VCI powder to sea water at a dosage of 0.025 to 0.05% by weight depending on the salinity of sea water.
- Agitate the mixture for even dispersion.
- Carry out pressure test.



After 1500 hours
Mild steel immersed in sea water
with 0.05% of Vapro VCI-844



After 1500 hours
Mild steel immersed in sea water
without Vapro VCI-844

SPECIFICATIONS

Form

Powder

Appearance

White Powder

Solubility In Water

Yes

pH

6 (1% aqueous solution)

AVAILABLE PACKAGING

25 kg pail

Magna

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