



VAPPRO VCI-844L

SULPHATE-FREE LIQUID V.C.I. CORROSION INHIBITOR AND OXYGEN SCAVENGER

NATO STOCK NUMBER:
PENDING

OVERVIEW

Vapro VCI-844L hailed as a technical breakthrough in corrosion control, it is a revolutionary corrosion inhibitor that inhibits ferrous metals against corrosion in seawater. Vapro VCI-844L 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. Vapro VCI-844L also functions as an oxygen scavenger to reduce corrosion and pitting caused by dissolved oxygen in water. It is a sulphate-free product and effectively controls the propagation of corrosion causing sulphate reducing bacteria(SRB).

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 550 to 700ppm of Vapro VCI-844L by weight to the volume of sea water in the ballast tank.

Vapro VCI-844L 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.
- It is a sulphate-free product.
- 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-844L.



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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-844L VCI POWDER WITH HYDROTEST WATER

- Calculate the volume of the system to be hydrostatically pressure tested.
- Add Vapro VCI-844L to sea water at a dosage of 550-700ppm 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 700ppm of Vapro VCI-844L.



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

SPECIFICATIONS

Form
Liquid

Appearance
Amber liquid

Solubility In Water
Yes

pH
8(1% solution)

AVAILABLE PACKAGING

20 liters & 208 liters Drum

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