



ECO FRIENDLY
SUSTAINABLE
BIODEGRADABLE



VBCI Series- A class of environmentally friendly corrosion inhibitors for a cleaner, greener, better tomorrow.

Vapro VBCI-844 Powder

VBCI Corrosion Inhibitor

Inhibits Ferrous Metals Against Corrosion In Sea Water



Directive 2002/95/EC

Passed German VIA (Vapour Inhibition Ability) Test TL 8135-002

NATO STOCK NUMBER: 6850-32-080-3251

Overview

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

Ballast Tank Application

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

Vapro VBCI-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 VBCI-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 Vapro VBCI-844 Powder With Hydrotest Water For Storage Tank

- Calculate the volume of the system to be hydrostatically pressure tested.
- Add Vapro VBCI-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 with vortex.
- Carry out pressure test.

Typical Properties

Form
Powder

Appearance
White Powder

Solubility In Water
Yes

pH
6 (1% aqueous solution)

Available Packaging

25 kg HPDE Pail



After 1500 hours
Mild steel immersed in sea water with 0.025% of Vapro VBCI-844



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

Magna

Magna International Pte Ltd

10H, Enterprise Road,
Singapore 629834.

Tel (65) 6786-2616

Fax (65) 6785-1497

Email info@magnachem.com.sg
info@vaprovci.com

Web <http://www.vaprovci.com>

Headquarters



Singapore

Regional Office



Australia

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